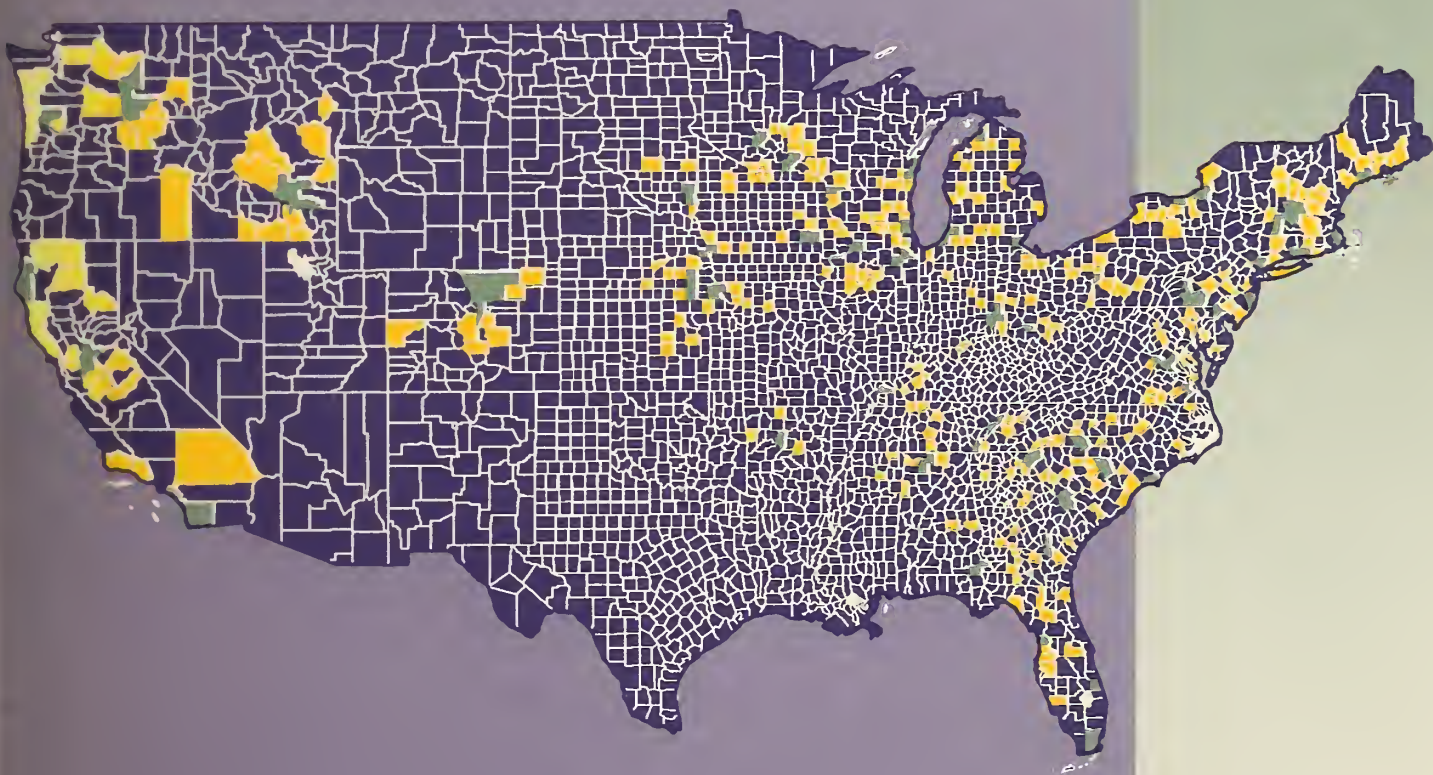


# Cancer in Populations Living Near Nuclear Facilities



**Vol 3. Individual Facilities:  
Cancer by 5-year time intervals**





LIBRARY

DEC 10 1990

National Institutes of Health

# **CANCER IN POPULATIONS**

## **LIVING NEAR NUCLEAR FACILITIES**

**VOLUME 3 - INDIVIDUAL FACILITIES: CANCER BY 5-YEAR TIME INTERVALS**

Seymour Jablon<sup>1</sup>, Zdenek Hrubec<sup>1</sup>, John D. Boice, Jr.<sup>1</sup>, B.J. Stone<sup>2</sup>

NATIONAL CANCER INSTITUTE  
DIVISION OF CANCER ETIOLOGY  
EPIDEMIOLOGY AND BIOSTATISTICS PROGRAM

<sup>1</sup>Radiation Epidemiology Branch  
<sup>2</sup>Biostatistics Branch

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES  
PUBLIC HEALTH SERVICE  
NATIONAL INSTITUTES OF HEALTH

July, 1990

NIH Publication No. 90-874

RC  
276  
C2156  
1990  
v. 3

## VOLUME 3

### TABLE OF CONTENTS

#### INDIVIDUAL FACILITIES: CANCER BY 5-YEAR TIME INTERVALS

##### Department of Energy Facilities

Hanford, WA	2-A.1
Oak Ridge, TN	2-A.2
Mound, OH	2-A.3
Idaho National Engineering Laboratory, ID	2-A.4
Paducah Gaseous Diffusion, KY	2-A.5
Savannah River, SC	2-A.6
Fernald, OH	2-A.7
Portsmouth Gaseous Diffusion, OH	2-A.8
Rocky Flats, CO	2-A.9
Nuclear Fuel Services, NY	2-A.10

##### Electric Utilities

###### Startup Before 1970

Shippingport/Beaver Valley, PA	2-B.1
Dresden, IL	2-B.2
Yankee Rowe, MA	2-B.3
Big Rock Point, MI	2-B.4
Hallam, NE	2-B.5
Indian Point, NY	2-B.6
Fermi, MI	2-B.7
Humboldt Bay, CA	2-B.8
Pathfinder, SD	2-B.9
Haddam Neck, CT, Mortality Data	2-B.10 (MORT)
Haddam Neck, CT, Incidence Data	2-B.10 (INC)
La Crosse, WI	2-B.11
San Onofre, CA	2-B.12
Ginna, NY	2-B.13
Nine Mile Point/Fitzpatrick, NY	2-B.14
Oyster Creek, NJ	2-B.15

###### Startup 1970-1974

Millstone, CT, Mortality Data	2-C.1 (MORT)
Millstone, CT, Incidence Data	2-C.1 (INC)
Point Beach/Kewaunee, WI	2-C.2
Robinson, SC	2-C.3
Monticello, MN	2-C.4
Palisades, MI	2-C.5





Maine Yankee, ME	2-C.6
Pilgrim, MA	2-C.7
Quad Cities, IL	2-C.8
Surry, VA	2-C.9
Turkey Point, FL	2-C.10
Vermont Yankee, VT	2-C.11
Zion, IL	2-C.12
Browns Ferry, AL	2-C.13
Fort Calhoun, NE, Mortality Data	2-C.14 (MORT)
Fort Calhoun, NE, Incidence Data	2-C.14 (INC)
Oconee, SC	2-C.15
Prairie Island, MN	2-C.16
Arkansas, AR	2-C.17
Calvert Cliffs, MD	2-C.18
Cooper Station, NE	2-C.19
Duane Arnold, IA, Mortality Data	2-C.20 (MORT)
Duane Arnold, IA, Incidence Data	2-C.20 (INC)
Hatch, GA	2-C.21
Peach Bottom, PA	2-C.22
Rancho Seco, CA	2-C.23
Three Mile Island, PA	2-C.24

#### Startup 1975-1981

Brunswick, NC	2-D.1
Cook, MI	2-D.2
Trojan, OR	2-D.3
Fort St. Vrain, CO	2-D.4
Salem, NJ	2-D.5
St. Lucie, FL	2-D.6
Crystal River, FL	2-D.7
Davis Besse, OH	2-D.8
Farley, AL	2-D.9
North Anna, VA	2-D.10
Sequoyah, TN	2-D.11
McGuire, NC	2-D.12



Age at death: under 10

Hanford (1943)  
Benton, WA ; Franklin, WA ; Grant, WA

## YEARS AFTER STARTUP

	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)								
STUDY OBS	0	0	1	0	0	0	0	0
SMR	0.00	0.00	4.21	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	1	0	2	0	0	0	1	0
SMR	1.86	0.00	2.43	0.00	0.00	0.00	1.37	0.00
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	1	0	1	0	0	0	0	0
SMR	23.25	0.00	20.12	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS								
STUDY OBS	0	0	0	1	2	0	0	0
SMR	0.00	0.00	0.00	4.41	12.13	0.00	0.00	0.00
CNTRL OBS	1	2	1	1	1	1	0	0
SMR	1.38	2.10	1.13	1.14	1.43	1.87	0.00	0.00
BLADDER								
STUDY OBS	0	0	0	0	0	0	1	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	100.10	0.00
CNTRL OBS	0	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	0.00	18.14	0.00	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	0	4	2	2	1	0	1	0
SMR	0.00	1.41	0.62	0.85	0.60	0.00	0.60	0.00
CNTRL OBS	11	12	14	9	7	8	9	0
SMR	1.53	1.16	1.26	0.98	0.98	1.48	1.58	0.00
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	2	1	0	1
SMR	0.00	0.00	0.00	0.00	0.84	0.47	0.00	6.60

Table 2-A.1

Age at death: 10 to 19

## YEARS AFTER STARTUP

Hanford (1943)  
Benton, WA ; Franklin, WA ; Grant, WA

		1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
LEUKEMIA & ALEUKEMIA	STUDY OBS	1	2	3	2		3		0
	SMR	0.74	0.86	1.03	0.62		1.00	1.10	0.00
	CNTRL OBS	8	6	6	16		9	14	2
ALL CANCER, EXCL LEUK	STUDY OBS	1.22	0.61	0.52	1.22		0.74	1.32	1.01
	SMR								
HODGKIN'S DISEASE	STUDY OBS	6	2	5	10	6	6	4	2
	SMR	2.36	0.46	0.92	1.64	1.01	1.14	0.82	2.32
	CNTRL OBS	12	17	25	32	21	16	21	1
OTHER LYMPHOMA	STUDY OBS	0	0	1	0	0	0	0	0
	SMR	0.00	0.00	1.64	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	2	0	3	1	1	0	1	0
MULTIPLE MYELOMA	STUDY OBS	1	0	0	1	1	0	1	0
	SMR	3.02	0.00	0.00	1.07	1.13	0.00	1.45	0.00
	CNTRL OBS	0	2	5	9	2	3	1	1
DIGESTIVE ORGANS	STUDY OBS	0.00	0.73	1.50	2.34	0.53	0.94	0.37	2.01
	SMR								
STOMACH	STUDY OBS	1	0	0	0	0	0	0	0
	SMR	197.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
OTHER LYMPHOMA	STUDY OBS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SMR								
ALL CANCER, EXCL LEUK	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	1	1	2	0	0	1	0	0
STOMACH	STUDY OBS	1.20	1.06	2.09	0.00	0.00	0.98	0.00	0.00
	SMR								
OTHER LYMPHOMA	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
ALL CANCER, EXCL LEUK	STUDY OBS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SMR								



Age at death: 10 to 19

Years After Startup

1950-53 1954-58 1959-63 1964-68 1969-73 1974-78 1979-83 1984-84

Benton, WA ; Franklin, WA ; Grant, WA

Hanford (1943)

## YEARS AFTER STARTUP

<b>COLON &amp; RECTUM</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	1	0	1	0	0	0	0	0
SMR	2.38	0.00	3.01	0.00	0.00	0.00	0.00	0.00
<b>LIVER (PRIMARY)</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	1	0	0	0	0	0
SMR	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BREAST (FEMALE)</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>THYROID</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BONES &amp; JOINTS</b>								
STUDY OBS	1	1	1	4	0	1	1	1
SMR	2.06	1.23	1.02	3.56	0.00	1.04	1.15	6.48
CNTRL OBS	3	6	4	4	5	2	7	0
SMR	1.24	1.70	1.01	0.86	1.03	0.50	2.04	0.00
<b>BLADDER</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	2	1	0	1	4	2	2	0
SMR	3.12	0.89	0.00	0.69	2.64	1.44	1.60	0.00
CNTRL OBS	3	7	7	9	6	2	6	0
SMR	0.96	1.48	1.23	1.52	0.94	0.35	1.24	0.00
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	2	0	0	0
SMR	0.00	0.00	0.00	0.00	4.21	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	2	1	0
SMR	0.00	0.00	0.00	0.00	0.00	1.13	2.21	0.00

Age at death: 20 to 39

Hanford (1943)  
Benton, WA ; Franklin, WA ; Grant, WA

## YEARS AFTER STARTUP

	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	0	7	3	3	1	2	13	0
SMR	0.00	1.73	0.75	0.84	0.30	0.46	2.17	0.00
CNTRL OBS	11	17	12	12	14	18	22	5
SMR	0.94	1.16	0.84	0.79	0.85	0.96	0.95	1.00
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	14	33	27	22	23	32	24	8
SMR	0.52	0.92	0.74	0.69	0.81	0.97	0.54	0.83
CNTRL OBS	109	124	122	127	132	130	171	44
SMR	1.04	0.96	0.96	0.97	1.00	0.92	0.99	1.15
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	1	2	4	4	3	3	2	0
SMR	0.43	0.62	1.17	1.28	1.13	1.18	0.72	0.00
CNTRL OBS	8	13	13	15	23	9	11	2
SMR	0.88	1.12	1.06	1.11	1.77	0.82	1.02	0.90
<b>OTHER LYMPHOMA</b>								
STUDY OBS	2	0	0	1	0	5	3	0
SMR	1.41	0.00	0.00	0.53	0.00	2.30	0.94	0.00
CNTRL OBS	4	4	8	6	2	14	15	1
SMR	0.73	0.58	1.09	0.76	0.24	1.51	1.22	0.37
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	1	0	0	0	0	0	0	0
SMR	8.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	1	1	0	0	0	0	1	0
SMR	2.35	1.71	0.00	0.00	0.00	0.00	1.34	0.00
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	2	8	7	2	7	7	6	1
SMR	0.38	1.22	1.15	0.40	1.68	1.47	0.94	0.72
CNTRL OBS	14	15	19	27	20	16	18	4
SMR	0.69	0.65	0.91	1.35	1.04	0.79	0.74	0.73
<b>STOMACH</b>								
STUDY OBS	1	2	0	0	2	2	2	0
SMR	0.81	1.38	0.00	0.00	2.78	2.62	1.94	0.00
CNTRL OBS	2	5	4	3	4	1	2	1
SMR	0.43	0.99	0.93	0.83	1.21	0.31	0.51	1.13

Age at death: 20 to 39

Hanford (1943)  
Benton, WA ; Franklin, WA ; Grant, WA

## YEARS AFTER STARTUP

	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	1	6	5	2	2	2	2	1
SMR	0.38	1.84	1.68	0.82	0.97	0.84	0.65	1.51
CNTRL OBS	9	7	10	17	8	4	4	3
SMR	0.89	0.60	0.97	1.72	0.84	0.40	0.34	1.15
<b>LIVER (PRIMARY)</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	2	1	0	2	0	3	5	0
SMR	0.97	0.43	0.00	1.02	0.00	1.54	1.88	0.00
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	0	1	1	1	0	1	0	2
SMR	0.00	0.41	0.34	0.35	0.00	0.31	0.00	2.21
CNTRL OBS	7	7	9	8	12	13	14	1
SMR	1.20	0.83	0.90	0.69	0.95	0.96	0.88	0.28
<b>BREAST (FEMALE)</b>								
STUDY OBS	1	5	2	3	4	5	3	0
SMR	0.29	1.04	0.39	0.67	0.99	1.06	0.44	0.00
CNTRL OBS	13	21	14	17	10	15	28	11
SMR	0.95	1.21	0.79	0.96	0.55	0.75	1.04	1.77
<b>THYROID</b>								
STUDY OBS	0	1	0	0	0	0	0	0
SMR	0.00	7.95	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	1	1	0	0	0	0	0	0
SMR	2.81	2.22	0.00	0.00	0.00	0.00	0.00	0.00
<b>BONES &amp; JOINTS</b>								
STUDY OBS	0	0	0	0	3	2	1	0
SMR	0.00	0.00	0.00	0.00	5.80	2.86	1.09	0.00
CNTRL OBS	2	1	2	2	3	6	2	1
SMR	0.92	0.40	0.89	0.87	1.14	1.95	0.55	1.34
<b>BLADDER</b>								
STUDY OBS	0	0	0	0	0	0	0	1
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.87
CNTRL OBS	1	1	1	0	0	0	0	0
SMR	1.70	1.78	2.00	0.00	0.00	0.00	0.00	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	3	7	3	3	1	3	2	0
SMR	1.26	2.16	0.91	1.11	0.37	0.92	0.45	0.00
CNTRL OBS	12	13	12	14	12	14	15	7
SMR	1.30	1.12	1.03	1.24	0.92	1.00	0.87	1.85
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	0	2	0	0
SMR	0.00	0.00	0.00	0.00	0.00	1.93	0.00	0.00
CNTRL OBS	0	0	0	0	1	4	2	0
SMR	0.00	0.00	0.00	0.00	0.23	0.90	0.94	0.00

Age at death: 40 to 59

Hanford (1943)  
Benton, WA ; Franklin, WA ; Grant, WA

## YEARS AFTER STARTUP

	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	7	6	2	7	5	7	4	3
SHR	1.44	0.82	0.24	0.77	0.54	0.72	0.37	1.43
CNTRL OBS	28	36	31	42	35	30	36	7
SHR	1.07	1.04	0.85	1.10	0.91	0.78	0.88	0.85
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	91	143	185	214	272	258	285	50
SHR	0.75	0.77	0.83	0.82	0.94	0.82	0.83	0.75
CNTRL OBS	559	775	867	1031	1049	1101	1183	240
SHR	0.83	0.86	0.89	0.94	0.88	0.89	0.90	0.92
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	2	5	4	1	4	2	0
SHR	0.00	0.65	1.41	1.05	0.29	1.63	1.00	0.00
CNTRL OBS	9	14	11	19	10	2	6	0
SHR	0.89	1.00	0.75	1.20	0.71	0.21	0.79	0.00
<b>OTHER LYMPHOMA</b>								
STUDY OBS	5	4	7	10	12	9	14	1
SHR	1.48	0.71	0.97	1.14	1.28	0.93	1.26	0.46
CNTRL OBS	20	20	29	48	39	31	51	11
SHR	1.10	0.75	0.93	1.30	1.00	0.81	1.21	1.28
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	1	3	2	4	2	3	5	1
SHR	0.90	1.51	0.78	1.45	0.62	0.79	1.18	1.22
CNTRL OBS	2	11	12	17	13	15	19	4
SHR	0.32	1.13	1.05	1.45	0.97	1.00	1.18	1.25
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	30	40	58	46	67	53	58	8
SHR	0.78	0.73	0.96	0.71	1.00	0.77	0.81	0.58
CNTRL OBS	191	236	232	250	219	226	238	51
SHR	0.89	0.89	0.87	0.90	0.79	0.84	0.87	0.94
<b>STOMACH</b>								
STUDY OBS	7	8	9	5	6	9	10	1
SHR	0.72	0.67	0.79	0.47	0.61	0.98	1.08	0.56
CNTRL OBS	55	62	42	40	34	34	30	3
SHR	1.04	1.07	0.84	0.89	0.83	0.94	0.86	0.44



Age at death: 40 to 59

Hanford (1943)  
Benton, WA ; Franklin, WA ; Grant, WA

## YEARS AFTER STARTUP

	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	10	14	28	15	28	20	23	3
SMR	0.63	0.61	1.08	0.52	0.93	0.64	0.71	0.49
CNTRL OBS	70	94	96	91	106	98	99	23
SMR	0.78	0.83	0.83	0.74	0.84	0.79	0.80	0.95
<b>LIVER (PRIMARY)</b>								
STUDY OBS	6	6	7	2	6	2	4	0
SMR	1.29	0.98	1.08	0.34	1.44	0.55	0.98	0.00
CNTRL OBS	22	18	29	28	10	9	12	3
SMR	0.83	0.59	1.00	1.10	0.58	0.63	0.78	0.96
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	12	22	33	48	71	59	89	15
SMR	0.66	0.69	0.75	0.81	0.94	0.64	0.82	0.71
CNTRL OBS	62	103	177	221	293	326	372	72
SMR	0.65	0.69	0.93	0.89	0.94	0.90	0.91	0.87
<b>BREAST (FEMALE)</b>								
STUDY OBS	9	16	25	32	36	42	40	6
SMR	0.62	0.67	0.84	0.89	0.90	0.99	0.89	0.69
CNTRL OBS	86	112	127	157	159	160	150	26
SMR	1.00	0.93	0.94	1.01	0.95	0.94	0.85	0.74
<b>THYROID</b>								
STUDY OBS	2	0	0	1	0	0	0	0
SMR	3.91	0.00	0.00	1.37	0.00	0.00	0.00	0.00
CNTRL OBS	2	5	2	2	3	2	5	1
SMR	0.69	1.40	0.60	0.64	1.03	0.71	1.92	1.98
<b>BONES &amp; JOINTS</b>								
STUDY OBS	0	0	1	3	2	2	1	0
SMR	0.00	0.00	0.77	2.41	1.65	1.81	1.24	0.00
CNTRL OBS	3	1	1	6	5	7	1	0
SMR	0.53	0.15	0.18	1.14	0.99	1.61	0.33	0.00
<b>BLADDER</b>								
STUDY OBS	2	3	2	1	3	0	3	1
SMR	0.81	0.92	0.59	0.28	0.81	0.00	0.84	1.50
CNTRL OBS	8	16	15	15	9	18	11	2
SMR	0.59	1.00	0.99	0.98	0.59	1.24	0.81	0.77
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	4	7	7	9	12	13	8	8
SMR	0.85	0.94	0.76	0.93	1.05	1.11	0.65	3.33
CNTRL OBS	20	29	32	48	52	63	57	17
SMR	0.81	0.84	0.82	1.18	1.09	1.36	1.21	1.80
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	2	5	0	0
SMR	0.00	0.00	0.00	0.00	0.55	1.38	0.00	0.00
CNTRL OBS	0	0	0	0	14	19	4	1
SMR	0.00	0.00	0.00	0.00	0.92	1.32	0.69	1.32

Age at death: 60 plus

Hanford (1943)  
Benton, WA ; Franklin, WA ; Grant, WA

## YEARS AFTER STARTUP

	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	2	11	11	11	31	33	33	7
SMR	0.35	1.07	0.79	0.60	1.43	1.23	0.96	0.90
CNTRL OBS	52	102	112	147	120	147	167	35
SMR	0.94	1.16	1.04	1.17	0.87	0.94	0.90	0.88
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	139	225	293	381	541	647	941	210
SMR	0.81	0.81	0.83	0.85	0.97	0.89	1.00	0.99
CNTRL OBS	1497	2201	2420	2774	3283	3882	4604	1048
SMR	0.89	0.92	0.90	0.92	0.96	0.96	0.94	0.99
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	2	0	1	1	1	2	2
SMR	0.00	1.05	0.00	0.34	0.31	0.34	0.70	3.32
CNTRL OBS	14	8	22	20	20	15	9	1
SMR	1.28	0.51	1.27	1.06	1.05	0.93	0.62	0.34
<b>OTHER LYMPHOMA</b>								
STUDY OBS	6	8	6	10	13	17	27	4
SMR	1.93	1.36	0.70	0.82	0.81	0.80	0.90	0.58
CNTRL OBS	29	57	55	88	93	98	160	21
SMR	0.99	1.16	0.86	1.08	0.95	0.82	1.01	0.60
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	1	2	3	5	11	10	19	6
SMR	0.80	0.73	0.73	0.84	1.31	0.84	1.18	1.64
CNTRL OBS	7	23	43	33	62	66	82	17
SMR	0.61	1.03	1.42	0.84	1.21	1.00	0.97	0.92
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	63	98	109	127	164	184	263	58
SMR	0.83	0.84	0.79	0.78	0.89	0.83	0.97	0.96
CNTRL OBS	662	906	977	988	1036	1234	1287	274
SMR	0.88	0.89	0.90	0.88	0.94	0.97	0.90	0.89
<b>STOMACH</b>								
STUDY OBS	17	31	23	20	26	30	28	7
SMR	0.77	1.03	0.75	0.66	0.89	0.97	0.84	0.95
CNTRL OBS	224	250	225	209	163	147	144	32
SMR	1.02	0.95	0.94	1.00	0.88	0.83	0.81	0.86

Age at death: 60 plus

Hanford (1943)  
Benton, WA ; Franklin, WA ; Grant, WA

## YEARS AFTER STARTUP

	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	28	32	46	61	72	94	117	32
SMR	0.92	0.66	0.76	0.81	0.80	0.85	0.87	1.07
CNTRL OBS	248	344	413	426	538	608	601	124
SMR	0.82	0.80	0.86	0.81	0.94	0.95	0.84	0.81
<b>LIVER (PRIMARY)</b>								
STUDY OBS	7	14	13	12	10	3	14	1
SMR	0.77	1.03	0.82	0.78	0.93	0.28	1.04	0.33
CNTRL OBS	62	120	93	87	54	49	59	11
SMR	0.69	1.01	0.76	0.83	0.82	0.83	0.85	0.73
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	15	31	48	86	125	172	280	61
SMR	0.82	0.85	0.85	1.00	1.00	0.94	1.07	1.04
CNTRL OBS	114	260	338	543	711	946	1280	319
SMR	0.70	0.91	0.86	1.01	0.99	0.99	1.00	1.13
<b>BREAST (FEMALE)</b>								
STUDY OBS	6	11	20	23	41	52	65	8
SMR	0.57	0.62	0.88	0.76	1.06	1.03	0.97	0.54
CNTRL OBS	93	164	167	193	225	284	306	87
SMR	0.84	1.02	0.91	0.91	0.92	0.97	0.86	1.12
<b>THYROID</b>								
STUDY OBS	0	1	2	2	2	3	4	2
SMR	0.00	0.83	1.40	1.26	1.11	1.47	1.78	4.07
CNTRL OBS	15	13	6	11	10	10	10	2
SMR	2.02	1.22	0.54	0.99	0.88	0.84	0.82	0.78
<b>BONES &amp; JOINTS</b>								
STUDY OBS	1	1	1	3	3	3	1	3
SMR	0.70	0.53	0.52	1.42	1.27	1.24	0.56	8.73
CNTRL OBS	11	10	7	15	13	7	7	3
SMR	0.80	0.61	0.48	1.05	0.89	0.51	0.74	1.73
<b>BLADDER</b>								
STUDY OBS	5	9	18	14	11	20	22	5
SMR	0.73	0.82	1.34	0.86	0.57	0.86	0.82	0.84
CNTRL OBS	77	88	97	108	120	124	137	24
SMR	1.13	0.92	0.92	0.95	0.97	0.91	0.93	0.77
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	0	2	4	3	13	11	21	7
SMR	0.00	0.70	0.96	0.51	1.32	0.76	1.09	1.65
CNTRL OBS	17	19	18	41	50	84	89	36
SMR	1.27	0.89	0.65	1.16	0.90	1.10	0.93	1.75
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	2	10	3	0
SMR	0.00	0.00	0.00	0.00	0.37	1.35	0.73	0.00
CNTRL OBS	0	0	0	0	24	38	16	7
SMR	0.00	0.00	0.00	0.00	0.72	0.90	0.72	2.00

Age at death: all

Hanford (1943)  
Benton, WA ; Franklin, WA ; Grant, WA

## YEARS AFTER STARTUP

	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	16	38	28	28	46	49	55	12
SMR	0.83	1.24	0.76	0.70	1.10	1.04	0.97	0.98
CNTRL OBS	121	198	189	240	201	216	243	51
SMR	1.03	1.15	0.96	1.11	0.90	0.91	0.90	0.89
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	253	408	518	637	847	945	1260	271
SMR	0.78	0.80	0.83	0.85	0.96	0.87	0.94	0.94
CNTRL OBS	2204	3141	3463	3990	4508	5146	5998	1335
SMR	0.89	0.91	0.90	0.93	0.94	0.94	0.93	0.98
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	1	6	10	9	5	8	6	2
SMR	0.17	0.68	0.99	0.85	0.51	0.96	0.75	1.25
CNTRL OBS	33	36	49	55	55	26	27	3
SMR	1.03	0.82	1.04	1.07	1.13	0.68	0.79	0.43
<b>OTHER LYMPHOMA</b>								
STUDY OBS	14	13	14	27	28	32	46	5
SMR	1.58	0.86	0.71	1.10	0.98	0.93	1.01	0.50
CNTRL OBS	56	86	105	155	140	147	228	34
SMR	0.98	0.97	0.96	1.16	0.93	0.86	1.05	0.72
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	4	5	5	9	13	13	24	7
SMR	1.61	1.02	0.73	1.02	1.11	0.82	1.17	1.55
CNTRL OBS	10	35	55	50	75	81	102	21
SMR	0.55	1.07	1.30	0.97	1.15	0.99	1.01	0.96
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	95	146	175	175	238	244	327	67
SMR	0.79	0.82	0.85	0.75	0.93	0.82	0.94	0.89
CNTRL OBS	869	1159	1232	1265	1335	1477	1544	329
SMR	0.88	0.89	0.90	0.89	0.91	0.94	0.89	0.90
<b>STOMACH</b>								
STUDY OBS	25	41	32	25	34	41	40	8
SMR	0.75	0.94	0.74	0.60	0.85	1.01	0.91	0.86
CNTRL OBS	281	317	271	252	201	182	176	36
SMR	1.02	0.97	0.92	0.98	0.88	0.84	0.81	0.80



Age at death: all

Hanford (1943)  
Benton, WA ; Franklin, WA ; Grant, WA

## YEARS AFTER STARTUP

	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	39	52	79	78	102	116	142	36
SMR	0.80	0.69	0.88	0.73	0.84	0.80	0.84	0.98
CNTRL OBS	328	445	520	534	652	710	704	150
SMR	0.81	0.80	0.86	0.81	0.92	0.91	0.82	0.83
<b>LIVER (PRIMARY)</b>								
STUDY OBS	13	20	21	14	16	5	18	1
SMR	0.90	0.97	0.90	0.64	1.03	0.33	0.97	0.25
CNTRL OBS	87	139	125	117	64	61	77	14
SMR	0.73	0.91	0.81	0.88	0.74	0.80	0.87	0.74
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	28	54	83	135	196	232	369	78
SMR	0.73	0.76	0.80	0.91	0.96	0.83	0.99	0.96
CNTRL OBS	183	370	524	772	1016	1285	1666	392
SMR	0.69	0.84	0.88	0.97	0.98	0.96	0.97	1.07
<b>BREAST (FEMALE)</b>								
STUDY OBS	16	32	47	58	81	99	108	14
SMR	0.56	0.69	0.81	0.82	0.98	1.01	0.91	0.56
CNTRL OBS	192	297	308	367	394	459	484	124
SMR	0.91	0.99	0.92	0.95	0.91	0.95	0.86	1.04
<b>THYROID</b>								
STUDY OBS	2	2	2	3	2	3	4	2
SMR	1.47	0.96	0.87	1.22	0.77	1.06	1.31	3.09
CNTRL OBS	18	19	8	13	13	12	15	3
SMR	1.67	1.29	0.53	0.88	0.88	0.79	0.98	0.95
<b>BONES &amp; JOINTS</b>								
STUDY OBS	2	2	3	11	10	8	4	4
SMR	0.54	0.40	0.59	2.11	1.85	1.50	0.89	4.70
CNTRL OBS	20	20	15	28	27	23	17	4
SMR	0.81	0.67	0.55	1.02	0.97	0.90	0.85	1.06
<b>BLADDER</b>								
STUDY OBS	7	12	20	15	14	20	26	7
SMR	0.73	0.83	1.18	0.75	0.60	0.74	0.85	1.05
CNTRL OBS	86	105	113	123	129	143	148	26
SMR	1.04	0.93	0.93	0.95	0.92	0.94	0.92	0.77
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	9	21	16	18	31	29	34	15
SMR	0.82	1.20	0.75	0.82	1.14	0.90	0.87	1.84
CNTRL OBS	63	80	83	121	127	171	176	60
SMR	1.09	0.97	0.87	1.18	0.98	1.16	1.03	1.67
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	6	17	3	0
SMR	0.00	0.00	0.00	0.00	0.55	1.30	0.46	0.00
CNTRL OBS	0	0	0	0	41	64	23	9
SMR	0.00	0.00	0.00	0.00	0.72	0.99	0.73	1.89



Oak Ridge (1943)  
Anderson, TN ; Roane, TN

Age at death: under 10

## YEARS AFTER STARTUP

	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>LIVER (PRIMARY)</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	1	1	2	0	0
SMR	0.00	0.00	0.00	3.74	3.72	8.33	0.00	0.00
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BREAST (FEMALE)</b>								
STUDY OBS	0	0	1	0	0	0	0	0
SMR	0.00	0.00	171.82	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>THYROID</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BONES &amp; JOINTS</b>								
STUDY OBS	0	0	1	0	0	0	0	0
SMR	0.00	0.00	5.81	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	0	0	0	0	0	0
SMR	0.00	2.58	0.00	0.00	0.00	0.00	0.00	0.00
<b>BLADDER</b>								
STUDY OBS	0	1	0	0	0	0	0	0
SMR	0.00	30.08	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	0	2	0	0	1	3	1	0
SMR	0.00	0.90	0.00	0.00	0.91	3.66	1.28	0.00
CNTRL OBS	0	4	5	3	2	3	6	0
SMR	0.00	0.96	1.16	0.83	0.68	1.27	2.70	0.00
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	0.00	3.15	0.00	0.00
CNTRL OBS	0	0	0	0	1	4	2	0
SMR	0.00	0.00	0.00	0.00	0.99	4.34	5.37	0.00





Age at death: 20 to 39

Oak Ridge (1943)  
Anderson, TN ; Roane, TN

## YEARS AFTER STARTUP

	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	3	3	3	2	4	4	1	0
SMR	1.11	0.91	1.00	0.74	1.58	1.46	0.32	0.00
CNTRL OBS	3	5	4	9	10	6	14	2
SMR	0.60	0.77	0.62	1.33	1.37	0.73	1.53	1.03
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	26	33	25	20	37	22	21	1
SMR	1.06	1.11	0.89	0.81	1.71	1.02	0.85	0.19
CNTRL OBS	46	59	50	78	71	85	73	19
SMR	1.02	1.04	0.87	1.32	1.17	1.34	1.03	1.26
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	1	3	0	4	0	0	0
SMR	0.00	0.39	1.18	0.00	2.02	0.00	0.00	0.00
CNTRL OBS	5	6	0	7	5	3	3	1
SMR	1.29	1.18	0.00	1.17	0.87	0.63	0.71	1.17
<b>OTHER LYMPHOMA</b>								
STUDY OBS	2	1	2	0	2	1	2	0
SMR	1.58	0.65	1.29	0.00	1.55	0.73	1.19	0.00
CNTRL OBS	3	0	2	3	1	2	5	0
SMR	1.28	0.00	0.61	0.85	0.27	0.49	1.03	0.00
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	1	0	0	1	1	1	0
SMR	0.00	7.36	0.00	0.00	12.16	11.12	9.27	0.00
CNTRL OBS	0	0	0	0	1	0	0	0
SMR	0.00	0.00	0.00	0.00	4.40	0.00	0.00	0.00
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	6	4	3	2	8	5	4	0
SMR	1.27	0.74	0.64	0.53	2.52	1.60	1.15	0.00
CNTRL OBS	6	11	10	15	10	20	9	2
SMR	0.69	1.08	1.06	1.66	1.13	2.17	0.90	0.94
<b>STOMACH</b>								
STUDY OBS	1	1	1	0	0	2	0	0
SMR	0.92	0.84	1.03	0.00	0.00	3.97	0.00	0.00
CNTRL OBS	1	2	0	3	2	3	1	0
SMR	0.50	0.89	0.00	1.82	1.31	2.02	0.62	0.00



## YEARS AFTER STARTUP

	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	4	2	1	1	5	1	3	0
SMR	1.69	0.74	0.44	0.53	3.18	0.64	1.77	0.00
CNTRL OBS	1	4	6	8	5	12	7	1
SMR	0.23	0.79	1.29	1.79	1.14	2.61	1.44	0.98
<b>LIVER (PRIMARY)</b>								
STUDY OBS	0	1	0	0	2	0	0	0
SMR	0.00	1.86	0.00	0.00	7.04	0.00	0.00	0.00
CNTRL OBS	3	2	2	2	0	1	0	0
SMR	3.29	1.93	2.14	2.23	0.00	1.16	0.00	0.00
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	1	1	0	3	4	0	1	0
SMR	0.75	0.52	0.00	1.36	1.91	0.00	0.43	0.00
CNTRL OBS	2	2	3	9	7	6	9	3
SMR	0.82	0.55	0.68	1.74	1.20	0.96	1.35	2.11
<b>BREAST (FEMALE)</b>								
STUDY OBS	6	3	4	4	5	3	4	0
SMR	1.84	0.72	0.96	1.11	1.56	0.93	0.98	0.00
CNTRL OBS	2	7	4	5	13	3	7	4
SMR	0.34	0.90	0.49	0.61	1.51	0.32	0.60	1.59
<b>THYROID</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	1	0	0	0	0	0	0	0
SMR	6.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BONES &amp; JOINTS</b>								
STUDY OBS	2	2	2	0	0	0	0	0
SMR	4.08	3.70	4.43	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	3	3	2	4	3	2	1	1
SMR	3.17	2.68	1.94	3.98	2.64	1.55	0.73	3.50
<b>BLADDER</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	1	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	4.27	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	1	5	4	0	2	3	2	0
SMR	0.47	1.90	1.60	0.00	0.98	1.44	0.84	0.00
CNTRL OBS	5	6	4	10	9	15	7	0
SMR	1.29	1.19	0.77	1.98	1.54	2.43	1.02	0.00
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	0	2	1	0
SMR	0.00	0.00	0.00	0.00	0.00	2.98	3.34	0.00
CNTRL OBS	0	0	0	0	5	1	0	0
SMR	0.00	0.00	0.00	0.00	2.58	0.50	0.00	0.00



Oak Ridge (1943)  
Anderson, TN ; Roane, TN

Age at death: 40 to 59

## YEARS AFTER STARTUP

	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	3	7	9	9	10	7	8	1
SMR	0.73	1.20	1.39	1.30	1.41	0.96	1.06	0.67
CNTRL OBS	11	12	13	20	18	20	15	5
SMR	1.18	0.91	0.89	1.27	1.10	1.14	0.78	1.26
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	96	144	158	185	210	264	253	41
SMR	0.92	0.95	0.91	0.93	0.94	1.11	1.03	0.85
CNTRL OBS	218	305	363	435	475	509	622	117
SMR	0.88	0.87	0.91	0.95	0.92	0.89	1.01	0.92
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	1	3	5	2	3	0	1
SMR	0.00	0.41	1.12	1.74	0.76	1.64	0.00	3.80
CNTRL OBS	4	7	4	3	10	5	1	0
SMR	1.10	1.32	0.68	0.47	1.66	1.12	0.28	0.00
<b>OTHER LYMPHOMA</b>								
STUDY OBS	4	3	5	5	10	10	6	1
SMR	1.42	0.67	0.90	0.75	1.38	1.37	0.77	0.64
CNTRL OBS	5	8	11	12	20	15	12	7
SMR	0.78	0.80	0.88	0.80	1.20	0.86	0.61	1.69
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	1	3	2	5	4	4	1	0
SMR	1.06	1.85	0.99	2.36	1.59	1.39	0.33	0.00
CNTRL OBS	0	3	6	8	6	7	7	2
SMR	0.00	0.79	1.27	1.62	1.02	1.01	0.93	1.29
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	22	41	34	37	43	43	59	12
SMR	0.67	0.93	0.72	0.74	0.83	0.83	1.15	1.21
CNTRL OBS	62	77	93	107	77	108	124	22
SMR	0.79	0.75	0.86	0.93	0.64	0.87	0.97	0.84
<b>STOMACH</b>								
STUDY OBS	7	9	7	7	7	4	9	1
SMR	0.86	0.93	0.79	0.86	0.92	0.58	1.38	0.79
CNTRL OBS	15	19	16	15	8	17	14	3
SMR	0.77	0.84	0.78	0.80	0.45	1.03	0.86	0.91

Oak Ridge (1943)  
Anderson, TN ; Roane, TN

## YEARS AFTER STARTUP

	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	9	14	13	16	19	18	25	6
SMR	0.66	0.75	0.64	0.73	0.82	0.76	1.08	1.35
CNTRL OBS	22	24	24	38	25	38	55	8
SMR	0.68	0.55	0.51	0.75	0.46	0.67	0.95	0.68
<b>LIVER (PRIMARY)</b>								
STUDY OBS	2	9	2	1	2	0	3	0
SMR	0.50	1.78	0.39	0.22	0.63	0.00	1.04	0.00
CNTRL OBS	10	8	19	10	7	6	13	0
SMR	1.03	0.67	1.59	0.94	0.94	0.91	1.81	0.00
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	17	23	33	50	62	105	91	11
SMR	1.19	0.94	1.00	1.14	1.09	1.54	1.19	0.73
CNTRL OBS	14	40	66	106	137	150	220	34
SMR	0.43	0.73	0.89	1.06	1.03	0.92	1.16	0.86
<b>BREAST (FEMALE)</b>								
STUDY OBS	8	16	26	25	39	27	34	4
SMR	0.57	0.77	1.05	0.86	1.19	0.79	1.00	0.61
CNTRL OBS	30	37	47	45	59	59	64	16
SMR	0.90	0.76	0.83	0.68	0.79	0.73	0.74	0.89
<b>THYROID</b>								
STUDY OBS	1	0	0	0	0	2	0	0
SMR	2.23	0.00	0.00	0.00	0.00	3.70	0.00	0.00
CNTRL OBS	1	2	3	2	5	1	0	0
SMR	0.94	1.44	2.21	1.52	3.94	0.77	0.00	0.00
<b>BONES &amp; JOINTS</b>								
STUDY OBS	2	1	2	2	0	1	0	0
SMR	2.24	0.90	1.99	2.11	0.00	1.20	0.00	0.00
CNTRL OBS	3	3	2	4	1	0	2	0
SMR	1.45	1.18	0.87	1.85	0.46	0.00	1.39	0.00
<b>BLADDER</b>								
STUDY OBS	1	4	2	2	0	3	1	0
SMR	0.50	1.55	0.76	0.74	0.00	1.10	0.40	0.00
CNTRL OBS	5	7	3	5	4	1	7	1
SMR	1.04	1.15	0.50	0.80	0.62	0.15	1.13	0.81
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	2	9	9	9	6	11	5	3
SMR	0.51	1.53	1.29	1.23	0.68	1.24	0.57	1.76
CNTRL OBS	10	14	14	22	19	41	24	5
SMR	1.15	1.07	0.91	1.34	0.94	1.93	1.09	1.10
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	1	7	1	0
SMR	0.00	0.00	0.00	0.00	0.35	2.53	0.92	0.00
CNTRL OBS	0	0	0	0	2	6	1	1
SMR	0.00	0.00	0.00	0.00	0.30	0.90	0.37	2.68

Table 2-A.2

Age at death: 60 plus	Oak Ridge (1943) Anderson, TN ; Roane, TN								
YEARS AFTER STARTUP	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84	
LEUKEMIA & ALEUKEMIA									
STUDY OBS	2	8	12	16	16	24	24	6	
SMR	0.34	0.84	0.98	1.02	0.86	1.06	0.84	0.94	
CNTRL OBS	15	36	48	41	62	58	68	19	
SMR	0.85	1.23	1.28	0.89	1.15	0.86	0.80	0.99	
ALL CANCER, EXCL LEUK									
STUDY OBS	163	220	270	330	457	558	712	165	
SMR	0.91	0.84	0.87	0.85	0.95	0.91	0.92	0.95	
CNTRL OBS	472	713	725	904	1181	1581	1981	467	
SMR	0.86	0.88	0.76	0.79	0.86	0.89	0.86	0.90	
HODGKIN'S DISEASE									
STUDY OBS	0	0	4	4	3	2	0	0	
SMR	0.00	0.00	1.97	1.62	1.09	0.80	0.00	0.00	
CNTRL OBS	4	4	3	4	10	3	4	1	
SMR	1.14	0.76	0.50	0.56	1.30	0.42	0.58	0.68	
OTHER LYMPHOMA									
STUDY OBS	2	0	3	6	16	21	25	6	
SMR	0.65	0.00	0.40	0.57	1.16	1.16	1.00	1.05	
CNTRL OBS	3	17	27	32	45	52	76	27	
SMR	0.32	1.04	1.21	1.05	1.15	0.99	1.02	1.59	
MULTIPLE MYELOMA									
STUDY OBS	2	2	4	7	6	11	14	2	
SMR	1.62	0.80	1.11	1.36	0.82	1.08	1.04	0.66	
CNTRL OBS	4	4	13	19	25	38	40	9	
SMR	1.07	0.53	1.19	1.25	1.19	1.27	0.99	0.99	
DIGESTIVE ORGANS									
STUDY OBS	64	80	102	101	121	174	173	43	
SMR	0.79	0.72	0.82	0.71	0.75	0.92	0.77	0.86	
CNTRL OBS	177	271	294	319	367	468	571	127	
SMR	0.72	0.79	0.77	0.76	0.79	0.84	0.85	0.85	
STOMACH									
STUDY OBS	20	17	18	14	19	14	20	10	
SMR	0.86	0.59	0.66	0.54	0.75	0.54	0.72	1.67	
CNTRL OBS	52	63	66	50	56	53	67	14	
SMR	0.73	0.71	0.78	0.64	0.76	0.68	0.80	0.77	

Age at death: 60 plus  
Oak Ridge (1943)  
Anderson, TN ; Roane, TN

## YEARS AFTER STARTUP

	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	20	33	40	51	46	83	81	18
SMR	0.62	0.70	0.73	0.78	0.59	0.87	0.72	0.72
CNTRL OBS	64	94	111	131	152	225	259	59
SMR	0.65	0.65	0.66	0.67	0.67	0.80	0.77	0.79
<b>LIVER (PRIMARY)</b>								
STUDY OBS	13	15	16	11	6	5	7	2
SMR	1.32	1.13	1.12	0.82	0.65	0.55	0.63	0.81
CNTRL OBS	26	36	31	39	15	31	35	7
SMR	0.86	0.88	0.71	0.98	0.56	1.18	1.06	0.95
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	13	27	36	81	113	142	227	55
SMR	0.77	0.88	0.79	1.16	1.09	0.96	1.10	1.18
CNTRL OBS	37	71	85	122	244	384	522	134
SMR	0.74	0.78	0.63	0.61	0.85	0.91	0.86	0.97
<b>BREAST (FEMALE)</b>								
STUDY OBS	10	13	16	16	34	36	42	15
SMR	0.79	0.68	0.70	0.55	0.93	0.76	0.69	1.10
CNTRL OBS	31	46	59	68	83	107	136	32
SMR	0.77	0.77	0.85	0.80	0.80	0.79	0.77	0.81
<b>THYROID</b>								
STUDY OBS	1	2	1	0	1	3	2	0
SMR	1.22	1.66	0.75	0.00	0.62	1.66	1.03	0.00
CNTRL OBS	2	4	1	4	2	5	9	1
SMR	0.79	1.07	0.25	0.94	0.43	0.95	1.56	0.80
<b>BONES &amp; JOINTS</b>								
STUDY OBS	1	2	2	0	1	2	1	0
SMR	0.68	1.11	1.19	0.00	0.49	0.98	0.68	0.00
CNTRL OBS	6	11	6	1	4	11	7	1
SMR	1.35	2.00	1.17	0.19	0.68	1.84	1.60	1.19
<b>BLADDER</b>								
STUDY OBS	8	11	6	13	19	17	22	5
SMR	1.12	1.07	0.51	0.94	1.16	0.89	1.01	1.04
CNTRL OBS	25	24	19	40	30	28	67	13
SMR	1.16	0.76	0.53	0.97	0.63	0.48	1.01	0.89
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	0	0	2	2	7	12	21	0
SMR	0.00	0.00	0.59	0.41	0.83	0.98	1.33	0.00
CNTRL OBS	8	9	8	14	18	37	46	13
SMR	1.93	1.28	0.82	1.03	0.78	1.07	1.01	1.27
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	4	6	5	0
SMR	0.00	0.00	0.00	0.00	0.84	0.95	1.42	0.00
CNTRL OBS	0	0	0	0	14	15	7	3
SMR	0.00	0.00	0.00	0.00	1.03	0.81	0.67	1.73

Age at death: all		Oak Ridge (1943) Anderson, TN ; Roane, TN							
YEARS AFTER STARTUP		1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	17	28	32	36	32	38	39	8
	SMR	0.93	1.07	1.10	1.15	0.96	1.04	0.93	0.88
CNTRL	OBS	43	64	92	80	96	95	101	27
	SMR	1.00	1.01	1.26	0.97	1.06	0.92	0.83	1.01
ALL CANCER, EXCL LEUK									
STUDY	OBS	291	405	460	544	709	853	991	207
	SMR	0.92	0.89	0.88	0.88	0.97	0.97	0.94	0.91
CNTRL	OBS	744	1098	1152	1437	1742	2190	2690	604
	SMR	0.87	0.89	0.81	0.86	0.88	0.90	0.89	0.91
HODGKIN'S DISEASE									
STUDY	OBS	0	2	11	10	9	5	0	1
	SMR	0.00	0.28	1.41	1.22	1.16	0.81	0.00	0.92
CNTRL	OBS	14	17	7	14	25	12	8	2
	SMR	1.18	1.01	0.37	0.68	1.23	0.71	0.53	0.64
OTHER LYMPHOMA									
STUDY	OBS	9	5	10	12	29	34	33	7
	SMR	1.10	0.39	0.63	0.61	1.24	1.24	0.94	0.90
CNTRL	OBS	14	28	41	50	69	72	96	34
	SMR	0.70	0.87	1.00	0.97	1.11	0.95	0.95	1.51
MULTIPLE MYELOMA									
STUDY	OBS	3	6	7	12	11	16	16	2
	SMR	1.31	1.41	1.22	1.62	1.11	1.22	0.96	0.55
CNTRL	OBS	4	7	19	27	32	45	47	11
	SMR	0.65	0.60	1.20	1.33	1.18	1.21	0.97	1.02
DIGESTIVE ORGANS									
STUDY	OBS	93	125	139	141	172	222	236	55
	SMR	0.78	0.77	0.79	0.72	0.80	0.90	0.84	0.91
CNTRL	OBS	245	361	397	442	456	598	704	151
	SMR	0.73	0.79	0.79	0.81	0.77	0.86	0.87	0.85
STOMACH									
STUDY	OBS	28	27	26	22	26	20	29	11
	SMR	0.86	0.68	0.70	0.63	0.78	0.60	0.83	1.49
CNTRL	OBS	68	84	82	68	66	73	82	17
	SMR	0.73	0.74	0.76	0.69	0.71	0.76	0.81	0.78

Oak Ridge (1943)  
Anderson, TN ; Roane, TN

Age at death: all

## YEARS AFTER STARTUP

	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	33	49	54	68	70	102	109	24
SMR	0.68	0.71	0.70	0.76	0.68	0.85	0.80	0.81
CNTRL OBS	87	124	141	177	182	275	321	68
SMR	0.64	0.64	0.64	0.71	0.64	0.80	0.81	0.78
<b>LIVER (PRIMARY)</b>								
STUDY OBS	15	25	18	12	10	5	10	2
SMR	1.03	1.31	0.89	0.65	0.77	0.41	0.69	0.63
CNTRL OBS	39	46	52	52	23	40	48	7
SMR	0.95	0.85	0.91	1.00	0.65	1.17	1.15	0.76
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	31	51	69	134	179	247	319	66
SMR	0.95	0.90	0.86	1.16	1.10	1.13	1.12	1.06
CNTRL OBS	53	113	155	237	388	540	751	171
SMR	0.62	0.75	0.73	0.78	0.91	0.91	0.94	0.96
<b>BREAST (FEMALE)</b>								
STUDY OBS	24	32	47	45	78	66	80	19
SMR	0.80	0.72	0.91	0.73	1.07	0.78	0.81	0.90
CNTRL OBS	63	90	110	118	155	169	207	52
SMR	0.79	0.77	0.82	0.74	0.83	0.75	0.76	0.87
<b>THYROID</b>								
STUDY OBS	2	2	1	0	1	5	2	0
SMR	1.46	1.04	0.49	0.00	0.45	2.08	0.80	0.00
CNTRL OBS	4	6	4	6	7	6	9	1
SMR	1.06	1.12	0.71	1.04	1.14	0.89	1.25	0.65
<b>BONES &amp; JOINTS</b>								
STUDY OBS	6	5	8	3	2	3	2	0
SMR	1.68	1.13	1.96	0.73	0.47	0.75	0.65	0.00
CNTRL OBS	12	20	11	13	9	13	11	3
SMR	1.34	1.79	1.05	1.22	0.80	1.17	1.24	1.76
<b>BLADDER</b>								
STUDY OBS	9	16	8	15	19	20	23	5
SMR	0.96	1.23	0.55	0.90	0.99	0.91	0.94	0.95
CNTRL OBS	30	31	22	45	34	29	75	14
SMR	1.13	0.82	0.52	0.94	0.62	0.45	1.03	0.88
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	3	19	15	13	17	30	32	3
SMR	0.30	1.34	0.93	0.77	0.79	1.21	1.13	0.50
CNTRL OBS	23	34	33	55	50	99	85	18
SMR	1.07	1.08	0.89	1.34	0.92	1.48	1.08	1.05
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	5	17	7	0
SMR	0.00	0.00	0.00	0.00	0.56	1.64	1.37	0.00
CNTRL OBS	0	0	0	0	22	26	10	4
SMR	0.00	0.00	0.00	0.00	0.92	0.90	0.68	1.74



Table 2-A.3

Age at death: under 10		Mound (1947)							
		Butler, OH ; Montgomery, OH ; Warren, OH							
YEARS AFTER STARTUP		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	25	28	42	32	21	24	14	3
	SMR	1.48	0.83	1.07	0.91	0.75	1.32	1.12	0.69
CNTRL	OBS	33	63	69	57	57	36	13	5
	SMR	0.92	0.93	0.91	0.85	1.09	1.04	0.56	0.63
ALL CANCER, EXCL LEUK									
STUDY	OBS	25	50	34	33	31	25	17	7
	SMR	1.39	1.39	0.83	0.91	1.03	1.14	0.91	0.95
CNTRL	OBS	51	102	93	65	46	41	45	14
	SMR	1.34	1.42	1.19	0.95	0.83	1.00	1.31	1.06
HODGKIN'S DISEASE									
STUDY	OBS	0	0	1	0	0	0	0	0
	SMR	0.00	0.00	1.66	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	1	2	0	1	0	0	0
	SMR	0.00	0.76	1.73	0.00	1.33	0.00	0.00	0.00
OTHER LYMPHOMA									
STUDY	OBS	5	14	1	7	8	2	1	0
	SMR	2.05	2.77	0.17	1.45	2.18	0.82	0.55	0.00
CNTRL	OBS	10	25	12	13	8	7	3	1
	SMR	1.93	2.47	1.09	1.43	1.18	1.51	0.90	0.85
MULTIPLE MYELOMA									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS									
STUDY	OBS	2	2	2	0	0	1	2	2
	SMR	1.83	1.00	0.95	0.00	0.00	0.95	1.93	4.46
CNTRL	OBS	2	4	4	2	1	2	2	1
	SMR	0.87	1.01	1.00	0.62	0.39	1.02	1.06	1.25
STOMACH									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	1	0	0	0	0	0	1
	SMR	0.00	3.89	0.00	0.00	0.00	0.00	0.00	38.57

Age at death: under 10

Butler, OH ; Montgomery, OH ; Warren, OH

Mound (1947)

## YEARS AFTER STARTUP

	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	0	1	1	0	0	0	0	1
SMR	0.00	3.58	4.40	0.00	0.00	0.00	0.00	22.36
CNTRL OBS	0	0	2	0	0	0	0	0
SMR	0.00	0.00	4.65	0.00	0.00	0.00	0.00	0.00
<b>LIVER (PRIMARY)</b>								
STUDY OBS	2	1	1	0	0	0	2	1
SMR	3.78	0.99	0.79	0.00	0.00	0.00	2.56	2.98
CNTRL OBS	2	2	1	1	0	2	1	0
SMR	1.80	0.99	0.42	0.49	0.00	1.35	0.70	0.00
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	1	1	0	2	0	1	0	1
SMR	5.86	3.01	0.00	7.91	0.00	5.54	0.00	8.06
CNTRL OBS	1	1	0	1	0	0	0	0
SMR	2.78	1.51	0.00	2.13	0.00	0.00	0.00	0.00
<b>BREAST (FEMALE)</b>								
STUDY OBS	0	1	0	0	0	0	0	0
SMR	0.00	14.20	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	1	0	0	0
SMR	0.00	0.00	0.00	0.00	31.64	0.00	0.00	0.00
<b>THYROID</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	0	0	0	0	0	0
SMR	0.00	10.37	0.00	0.00	0.00	0.00	0.00	0.00
<b>BONES &amp; JOINTS</b>								
STUDY OBS	1	1	0	0	1	1	0	0
SMR	1.48	0.76	0.00	0.00	0.92	1.31	0.00	0.00
CNTRL OBS	2	1	3	2	3	3	2	1
SMR	1.39	0.38	1.12	0.82	1.49	2.08	1.84	2.67
<b>BLADDER</b>								
STUDY OBS	0	0	0	1	0	0	0	0
SMR	0.00	0.00	0.00	5.37	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	1	0	0	0
SMR	0.00	0.00	0.00	0.00	3.75	0.00	0.00	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	8	17	13	13	11	4	6	1
SMR	1.16	1.18	0.75	0.88	0.97	0.51	0.91	0.39
CNTRL OBS	19	44	38	32	17	15	21	6
SMR	1.30	1.53	1.15	1.15	0.82	1.01	1.73	1.30
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	4	3	0	0
SMR	0.00	0.00	0.00	0.00	1.45	0.92	0.00	0.00
CNTRL OBS	0	0	0	0	4	7	3	0
SMR	0.00	0.00	0.00	0.00	0.80	1.15	1.08	0.00

Table 2-A.3

Age at death: 10 to 19		Mound (1947)							
		Butler, OH ; Montgomery, OH ; Warren, OH							
YEARS AFTER STARTUP		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	4	15	14	17	19	10	18	6
	SMR	0.71	1.24	0.92	0.95	0.99	0.59	1.33	1.28
CNTRL	OBS	11	25	31	39	34	35	27	5
	SMR	0.90	1.01	1.03	1.14	0.95	1.11	1.09	0.58
ALL CANCER, EXCL LEUK									
STUDY	OBS	15	25	39	36	35	32	31	5
	SMR	1.35	1.08	1.35	1.05	0.96	1.03	1.25	0.58
CNTRL	OBS	10	44	69	64	70	72	46	19
	SMR	0.42	0.93	1.22	0.98	1.04	1.25	1.03	1.22
HODGKIN'S DISEASE									
STUDY	OBS	2	2	2	2	3	1	2	0
	SMR	1.72	0.81	0.62	0.54	0.92	0.46	1.24	0.00
CNTRL	OBS	0	6	7	7	10	7	3	0
	SMR	0.00	1.20	1.11	0.99	1.66	1.74	1.03	0.00
OTHER LYMPHOMA									
STUDY	OBS	4	3	5	5	5	3	6	2
	SMR	2.83	0.92	1.15	0.96	0.93	0.67	1.73	1.69
CNTRL	OBS	2	6	14	9	14	8	13	2
	SMR	0.66	0.90	1.64	0.91	1.39	0.96	2.05	0.93
MULTIPLE MYELOMA									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS									
STUDY	OBS	0	1	1	4	3	2	0	1
	SMR	0.00	0.77	0.73	2.60	1.86	1.32	0.00	2.31
CNTRL	OBS	2	4	1	0	0	5	0	0
	SMR	1.26	1.52	0.38	0.00	0.00	1.83	0.00	0.00
STOMACH									
STUDY	OBS	0	0	0	1	0	0	0	0
	SMR	0.00	0.00	0.00	10.56	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	1	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	6.51	0.00	0.00

Age at death: 10 to 19

Mound (1947)  
Butler, OH ; Montgomery, OH ; Warren, OH

## YEARS AFTER STARTUP

	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	0	1	1	1	0	2	0	0
SMR	0.00	1.81	2.00	1.93	0.00	3.54	0.00	0.00
CNTRL OBS	1	1	0	0	0	0	0	0
SMR	1.27	0.90	0.00	0.00	0.00	0.00	0.00	0.00
<b>LIVER (PRIMARY)</b>								
STUDY OBS	0	0	0	1	2	0	0	1
SMR	0.00	0.00	0.00	1.67	3.25	0.00	0.00	4.85
CNTRL OBS	0	2	0	0	0	3	0	0
SMR	0.00	2.71	0.00	0.00	0.00	2.77	0.00	0.00
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	0	2	0	1	1	0	0	0
SMR	0.00	6.07	0.00	3.15	2.58	0.00	0.00	0.00
CNTRL OBS	0	3	0	0	2	3	0	0
SMR	0.00	4.47	0.00	0.00	2.80	5.14	0.00	0.00
<b>BREAST (FEMALE)</b>								
STUDY OBS	0	0	0	0	0	0	1	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	19.67	0.00
CNTRL OBS	0	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	0.00	9.64	0.00	0.00
<b>THYROID</b>								
STUDY OBS	0	1	1	0	0	0	0	0
SMR	0.00	14.43	11.21	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	1	0	0	0
SMR	0.00	0.00	0.00	0.00	7.50	0.00	0.00	0.00
<b>BONES &amp; JOINTS</b>								
STUDY OBS	2	3	4	8	7	5	6	1
SMR	0.95	0.69	0.76	1.28	1.02	0.87	1.37	0.66
CNTRL OBS	3	3	10	7	15	14	7	3
SMR	0.67	0.34	0.97	0.59	1.18	1.32	0.88	1.09
<b>BLADDER</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	3	11	17	4	5	10	7	1
SMR	1.11	1.90	2.26	0.49	0.56	1.24	1.12	0.47
CNTRL OBS	2	12	18	23	11	15	12	8
SMR	0.34	1.00	1.21	1.46	0.66	1.00	1.05	2.04
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	1	2	2	0
SMR	0.00	0.00	0.00	0.00	0.45	0.72	2.07	0.00
CNTRL OBS	0	0	0	0	3	5	2	0
SMR	0.00	0.00	0.00	0.00	0.73	0.97	1.15	0.00

Table 2-A.3

Age at death: 20 to 39		Mound (1947)							
		Butler, OH ; Montgomery, OH ; Warren, OH							
YEARS AFTER STARTUP		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	8	25	30	25	23	23	27	10
	SMR	0.61	1.05	1.19	0.99	0.90	0.90	1.00	0.91
CNTRL	OBS	29	53	54	35	47	58	53	17
	SMR	1.07	1.14	1.17	0.79	1.08	1.30	1.13	0.89
ALL CANCER, EXCL LEUK									
STUDY	OBS	129	220	243	256	206	208	222	84
	SMR	1.07	1.01	1.05	1.13	0.96	1.05	1.10	1.00
CNTRL	OBS	272	444	452	387	380	370	374	149
	SMR	1.09	1.04	1.04	0.96	1.04	1.07	1.06	1.02
HODGKIN'S DISEASE									
STUDY	OBS	5	16	22	23	23	13	18	9
	SMR	0.49	0.86	1.06	1.06	1.14	0.83	1.43	1.90
CNTRL	OBS	27	33	44	48	40	44	32	12
	SMR	1.28	0.91	1.15	1.25	1.16	1.59	1.44	1.44
OTHER LYMPHOMA									
STUDY	OBS	10	18	16	17	10	18	16	4
	SMR	1.62	1.62	1.27	1.29	0.77	1.44	1.17	0.69
CNTRL	OBS	13	35	28	23	23	21	29	12
	SMR	1.02	1.60	1.20	0.99	1.04	0.95	1.20	1.18
MULTIPLE MYELOMA									
STUDY	OBS	1	1	1	0	0	1	2	0
	SMR	1.99	1.01	0.94	0.00	0.00	1.19	2.20	0.00
CNTRL	OBS	2	0	1	0	2	0	1	0
	SMR	1.94	0.00	0.50	0.00	1.34	0.00	0.64	0.00
DIGESTIVE ORGANS									
STUDY	OBS	23	33	41	35	35	30	44	7
	SMR	0.99	0.82	1.03	0.96	1.07	1.02	1.49	0.57
CNTRL	OBS	50	73	84	56	61	46	49	23
	SMR	1.04	0.92	1.13	0.87	1.10	0.90	0.96	1.09
STOMACH									
STUDY	OBS	6	4	9	7	6	5	5	0
	SMR	1.10	0.44	1.05	0.99	1.02	1.00	1.01	0.00
CNTRL	OBS	10	9	19	2	9	8	6	3
	SMR	0.90	0.50	1.19	0.16	0.91	0.94	0.71	0.85



Age at death: 20 to 39

Mound (1947)  
Butler, OH ; Montgomery, OH ; Warren, OH

## YEARS AFTER STARTUP

	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	11	17	13	16	15	14	21	3
SMR	0.96	0.87	0.68	0.92	0.96	0.98	1.49	0.53
CNTRL OBS	26	47	52	31	36	27	29	14
SMR	1.09	1.21	1.44	1.00	1.34	1.08	1.18	1.40
<b>LIVER (PRIMARY)</b>								
STUDY OBS	4	4	10	5	4	3	6	2
SMR	1.58	0.95	2.46	1.34	1.23	1.01	1.78	1.37
CNTRL OBS	7	8	4	9	6	2	3	2
SMR	1.37	0.98	0.54	1.39	1.12	0.40	0.53	0.82
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	5	12	25	21	23	20	21	8
SMR	0.77	0.89	1.42	1.05	1.12	1.05	1.13	1.06
CNTRL OBS	18	26	42	46	34	32	42	14
SMR	1.34	0.98	1.26	1.29	0.97	0.96	1.29	1.05
<b>BREAST (FEMALE)</b>								
STUDY OBS	19	32	30	37	32	30	33	13
SMR	1.20	1.09	0.93	1.17	1.07	1.04	1.03	0.92
CNTRL OBS	26	57	63	46	52	45	63	19
SMR	0.78	0.97	1.01	0.80	1.00	0.89	1.12	0.77
<b>THYROID</b>								
STUDY OBS	0	3	0	0	0	1	0	0
SMR	0.00	3.93	0.00	0.00	0.00	1.92	0.00	0.00
CNTRL OBS	0	2	3	0	0	2	1	2
SMR	0.00	1.33	2.05	0.00	0.00	2.19	1.15	5.53
<b>BONES &amp; JOINTS</b>								
STUDY OBS	1	2	9	4	7	4	7	1
SMR	0.40	0.48	2.26	1.04	1.74	0.96	1.65	0.59
CNTRL OBS	5	8	5	3	3	8	6	1
SMR	0.99	1.00	0.70	0.46	0.44	1.11	0.82	0.35
<b>BLADDER</b>								
STUDY OBS	1	0	0	2	0	0	1	1
SMR	1.37	0.00	0.00	2.34	0.00	0.00	1.63	3.64
CNTRL OBS	2	2	3	0	3	2	3	0
SMR	1.36	0.93	1.62	0.00	2.40	1.94	2.76	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	19	13	22	29	17	16	16	12
SMR	1.88	0.70	1.10	1.53	0.88	0.84	0.84	1.53
CNTRL OBS	28	35	39	37	38	39	41	15
SMR	1.33	0.96	1.04	1.09	1.14	1.16	1.20	1.08
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	7	4	1	0
SMR	0.00	0.00	0.00	0.00	1.34	0.57	0.29	0.00
CNTRL OBS	0	0	0	0	12	18	4	1
SMR	0.00	0.00	0.00	0.00	1.37	1.49	0.66	0.81



Age at death: 40 to 59

Mound (1947)  
Butler, OH ; Montgomery, OH ; Warren, OH

## YEARS AFTER STARTUP

	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	28	51	44	59	62	68	51	26
SMR	1.09	1.09	0.87	1.08	1.10	1.22	0.92	1.20
CNTRL OBS	47	116	122	103	111	120	132	42
SMR	0.78	1.10	1.12	0.91	0.97	1.08	1.24	1.04
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	704	1236	1428	1623	1896	1957	1981	822
SMR	1.02	0.98	1.03	1.02	1.06	1.06	1.07	1.15
CNTRL OBS	1585	2869	2969	3436	3631	3879	3704	1380
SMR	0.98	1.02	0.99	1.05	1.01	1.06	1.05	1.03
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	15	15	21	21	26	12	13	5
SMR	1.51	0.81	1.03	0.94	1.21	0.77	1.22	1.33
CNTRL OBS	19	47	55	40	46	27	19	2
SMR	0.82	1.13	1.25	0.87	1.07	0.88	0.93	0.29
<b>OTHER LYMPHOMA</b>								
STUDY OBS	21	31	39	42	56	50	50	22
SMR	1.19	0.90	0.93	0.83	1.00	0.91	0.90	1.00
CNTRL OBS	43	87	94	116	113	117	121	40
SMR	1.03	1.11	1.04	1.10	0.99	1.05	1.12	0.95
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	8	10	23	25	28	17	30	12
SMR	1.25	0.75	1.38	1.38	1.35	0.73	1.25	1.27
CNTRL OBS	11	35	28	40	46	46	38	28
SMR	0.73	1.18	0.79	1.08	1.13	1.01	0.84	1.63
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	187	352	390	375	441	400	432	183
SMR	0.85	0.93	1.01	0.92	1.04	0.96	1.08	1.20
CNTRL OBS	526	864	832	930	900	888	775	300
SMR	1.02	1.01	1.00	1.10	1.06	1.08	1.02	1.06
<b>STOMACH</b>								
STUDY OBS	45	61	61	42	49	40	51	20
SMR	0.81	0.69	0.79	0.59	0.74	0.68	0.97	1.01
CNTRL OBS	125	174	173	149	153	121	101	44
SMR	0.96	0.89	1.05	1.03	1.18	1.06	1.03	1.22

Age at death: 40 to 59

Mound (1947)  
Butler, OH ; Montgomery, OH ; Warren, OH

## YEARS AFTER STARTUP

	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	76	169	176	178	199	185	194	90
SMR	0.85	1.08	1.08	1.03	1.09	1.02	1.12	1.38
CNTRL OBS	203	383	360	412	392	401	355	135
SMR	0.96	1.08	1.02	1.14	1.05	1.09	1.06	1.09
<b>LIVER (PRIMARY)</b>								
STUDY OBS	26	52	47	52	29	19	23	2
SMR	0.94	1.15	1.09	1.29	0.95	0.81	0.99	0.21
CNTRL OBS	86	113	88	96	52	39	32	10
SMR	1.33	1.12	0.95	1.17	0.87	0.86	0.74	0.60
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	84	207	281	402	508	664	697	274
SMR	0.90	1.09	1.12	1.20	1.14	1.26	1.23	1.22
CNTRL OBS	225	428	538	734	938	1157	1207	447
SMR	1.02	0.99	1.00	1.06	1.05	1.11	1.11	1.06
<b>BREAST (FEMALE)</b>								
STUDY OBS	87	172	203	221	281	251	250	100
SMR	0.97	1.02	1.05	0.98	1.12	0.99	1.01	1.04
CNTRL OBS	166	353	380	503	542	533	504	184
SMR	0.79	0.93	0.91	1.07	1.06	1.04	1.05	1.02
<b>THYROID</b>								
STUDY OBS	5	8	7	4	6	6	5	4
SMR	1.68	1.58	1.44	0.85	1.34	1.44	1.35	2.98
CNTRL OBS	7	14	20	12	7	12	3	2
SMR	1.00	1.23	1.90	1.23	0.78	1.44	0.42	0.79
<b>BONES &amp; JOINTS</b>								
STUDY OBS	4	9	6	5	5	8	6	0
SMR	0.70	0.96	0.71	0.64	0.65	1.17	1.25	0.00
CNTRL OBS	15	17	20	10	19	10	11	2
SMR	1.12	0.80	1.11	0.62	1.24	0.74	1.21	0.73
<b>BLADDER</b>								
STUDY OBS	12	22	28	24	20	21	19	6
SMR	0.87	0.96	1.27	1.08	0.88	0.97	0.99	0.86
CNTRL OBS	40	52	60	51	47	49	41	16
SMR	1.23	1.01	1.27	1.11	1.03	1.13	1.10	1.21
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	32	45	53	47	69	59	62	24
SMR	1.34	1.00	1.02	0.84	1.05	0.88	1.00	1.01
CNTRL OBS	50	112	115	126	121	145	124	43
SMR	0.89	1.10	1.02	1.07	0.90	1.07	1.02	0.95
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	17	23	9	1
SMR	0.00	0.00	0.00	0.00	0.96	0.96	0.79	0.46
CNTRL OBS	0	0	0	0	33	48	17	2
SMR	0.00	0.00	0.00	0.00	0.94	1.02	0.79	0.51

Age at death: 60 plus  
 YEARS AFTER STARTUP  
 Mound (1947)  
 Butler, OH ; Montgomery, OH ; Warren, OH

	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	52	85	111	133	170	155	188	54
SMR	1.14	0.91	0.96	0.97	1.12	0.93	0.99	0.65
CNTRL OBS	110	245	273	384	333	415	453	198
SMR	1.00	1.08	0.96	1.18	0.94	1.10	1.08	1.10
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	1428	2829	3052	3527	3903	4615	5413	2533
SMR	1.00	1.06	1.01	1.03	1.01	1.04	1.05	1.11
CNTRL OBS	3485	6884	7670	8594	9087	10088	11878	5421
SMR	1.02	1.07	1.04	1.06	1.02	1.02	1.05	1.10
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	5	18	19	20	15	15	16	8
SMR	0.55	1.04	0.97	0.94	0.69	0.80	1.01	1.28
CNTRL OBS	18	33	44	47	50	49	36	14
SMR	0.81	0.78	0.92	0.93	0.99	1.16	1.03	1.03
<b>OTHER LYMPHOMA</b>								
STUDY OBS	24	73	74	102	95	115	154	86
SMR	0.98	1.40	1.06	1.15	0.88	0.91	0.97	1.19
CNTRL OBS	50	150	207	231	257	287	358	190
SMR	0.85	1.18	1.22	1.10	1.03	1.01	1.02	1.20
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	12	27	44	32	60	83	110	49
SMR	1.23	1.14	1.29	0.71	1.02	1.10	1.18	1.17
CNTRL OBS	31	61	88	100	127	207	219	94
SMR	1.31	1.06	1.06	0.95	0.95	1.25	1.10	1.06
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	633	1178	1177	1278	1274	1439	1599	699
SMR	0.99	1.02	0.96	0.98	0.95	1.01	1.03	1.05
CNTRL OBS	1618	2980	3270	3356	3294	3296	3674	1537
SMR	1.06	1.08	1.10	1.09	1.06	1.04	1.09	1.08
<b>STOMACH</b>								
STUDY OBS	152	267	225	177	152	145	184	59
SMR	0.82	0.87	0.80	0.70	0.68	0.70	0.91	0.71
CNTRL OBS	461	789	703	626	525	402	457	184
SMR	1.05	1.07	1.03	1.05	1.02	0.87	1.05	1.04

Age at death: 60 plus

Mound (1947)  
Butler, OH ; Montgomery, OH ; Warren, OH

## YEARS AFTER STARTUP

	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	265	522	565	648	711	799	850	378
SMR	1.02	1.09	1.05	1.10	1.10	1.13	1.11	1.15
<b>CNTRL</b>								
OBS	682	1251	1495	1555	1592	1765	1880	793
SMR	1.11	1.08	1.15	1.11	1.07	1.11	1.12	1.12
<b>LIVER (PRIMARY)</b>								
STUDY OBS	110	167	159	165	74	70	58	32
SMR	1.39	1.20	1.11	1.27	0.83	1.01	0.76	0.95
<b>CNTRL</b>								
OBS	207	375	384	396	164	136	140	78
SMR	1.11	1.13	1.11	1.30	0.80	0.89	0.85	1.10
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	115	283	439	641	894	1213	1567	763
SMR	0.88	0.98	1.06	1.13	1.17	1.22	1.21	1.29
<b>CNTRL</b>								
OBS	304	780	975	1443	1779	2323	3034	1441
SMR	0.94	1.09	0.95	1.06	1.01	1.04	1.07	1.13
<b>BREAST (FEMALE)</b>								
STUDY OBS	132	252	261	274	306	345	440	187
SMR	1.23	1.24	1.14	1.05	1.02	1.00	1.09	1.06
<b>CNTRL</b>								
OBS	256	464	568	642	680	761	898	435
SMR	1.03	0.98	1.06	1.07	1.01	1.00	1.03	1.14
<b>THYROID</b>								
STUDY OBS	7	15	14	14	13	9	16	7
SMR	1.05	1.20	1.05	1.05	0.95	0.65	1.18	1.25
<b>CNTRL</b>								
OBS	15	31	43	35	43	34	33	12
SMR	0.96	1.05	1.35	1.12	1.39	1.11	1.11	1.00
<b>BONES &amp; JOINTS</b>								
STUDY OBS	12	22	15	13	12	14	7	2
SMR	1.04	1.16	0.88	0.79	0.72	0.89	0.62	0.55
<b>CNTRL</b>								
OBS	36	63	39	39	41	25	23	9
SMR	1.30	1.38	0.94	1.00	1.06	0.71	0.92	1.13
<b>BLADDER</b>								
STUDY OBS	52	98	114	135	133	143	166	67
SMR	0.93	0.95	1.01	1.10	1.00	1.00	1.10	1.06
<b>CNTRL</b>								
OBS	128	265	282	324	348	389	381	164
SMR	0.96	1.06	1.02	1.10	1.11	1.19	1.14	1.19
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	11	22	36	39	55	86	88	38
SMR	1.00	0.95	1.17	0.99	0.93	1.06	0.89	0.88
<b>CNTRL</b>								
OBS	36	69	77	100	138	141	229	103
SMR	1.31	1.21	1.02	1.08	1.03	0.78	1.06	1.09
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	24	55	22	8
SMR	0.00	0.00	0.00	0.00	0.83	1.14	0.71	1.00
<b>CNTRL</b>								
OBS	0	0	0	0	63	104	62	17
SMR	0.00	0.00	0.00	0.00	0.96	0.96	0.92	1.00

Age at death: all

8utler, OH ; Montgomery, OH ; Warren, OH

YEARS AFTER STARTUP		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	117	204	241	266	295	280	298	99
	SHR	1.09	0.97	0.98	0.99	1.05	0.99	1.00	0.79
CNTRL	OBS	230	502	549	618	582	664	678	267
	SHR	0.94	1.06	1.01	1.06	0.97	1.11	1.09	1.04
ALL CANCER, EXCL LEUK									
STUDY	OBS	2301	4360	4796	5475	6071	6837	7664	3451
	SHR	1.01	1.04	1.01	1.03	1.02	1.05	1.05	1.11
CNTRL	OBS	5403	10343	11253	12546	13214	14450	16047	6983
	SHR	1.01	1.06	1.03	1.05	1.02	1.03	1.05	1.09
HODGKIN'S DISEASE									
STUDY	OBS	27	51	65	66	67	41	49	22
	SHR	0.88	0.89	1.01	0.95	1.00	0.78	1.20	1.44
CNTRL	OBS	64	120	152	142	147	127	90	28
	SHR	0.92	0.95	1.11	0.99	1.09	1.21	1.12	0.94
OTHER LYMPHOMA									
STUDY	OBS	64	139	135	173	174	188	227	114
	SHR	1.23	1.31	1.01	1.07	0.94	0.94	0.98	1.12
CNTRL	OBS	118	303	355	392	415	440	524	245
	SHR	0.97	1.24	1.17	1.09	1.03	1.02	1.07	1.15
MULTIPLE MYELOMA									
STUDY	OBS	21	38	68	57	88	101	142	61
	SHR	1.26	1.00	1.31	0.89	1.09	1.02	1.20	1.18
CNTRL	OBS	44	96	117	140	175	253	258	122
	SHR	1.11	1.08	0.97	0.97	0.99	1.19	1.05	1.15
DIGESTIVE ORGANS									
STUDY	OBS	845	1566	1611	1692	1753	1872	2077	892
	SHR	0.95	0.99	0.97	0.97	0.97	1.00	1.05	1.07
CNTRL	OBS	2198	3925	4191	4344	4256	4237	4500	1861
	SHR	1.05	1.06	1.08	1.09	1.06	1.04	1.07	1.07
STOMACH									
STUDY	OBS	203	332	295	227	207	190	240	79
	SHR	0.82	0.82	0.80	0.68	0.70	0.70	0.93	0.75
CNTRL	OBS	596	973	895	777	687	532	564	232
	SHR	1.03	1.03	1.04	1.03	1.05	0.91	1.04	1.07



Age at death: all  
 YEARS AFTER STARTUP  
 Mound (1947)  
 Butler, OH ; Montgomery, OH ; Warren, OH

	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	352	710	756	843	925	1000	1065	472
SMR	0.98	1.08	1.05	1.08	1.10	1.11	1.12	1.18
CNTRL OBS	912	1682	1909	1998	2020	2193	2264	942
SMR	1.07	1.09	1.13	1.11	1.07	1.11	1.11	1.12
<b>LIVER (PRIMARY)</b>								
STUDY OBS	142	224	217	223	109	92	89	38
SMR	1.29	1.18	1.13	1.27	0.88	0.95	0.85	0.84
CNTRL OBS	302	500	477	502	222	182	176	90
SMR	1.17	1.13	1.06	1.26	0.82	0.89	0.82	0.99
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	205	505	745	1067	1426	1898	2285	1046
SMR	0.89	1.02	1.09	1.15	1.16	1.23	1.21	1.27
CNTRL OBS	548	1238	1555	2224	2753	3515	4283	1902
SMR	0.98	1.05	0.97	1.06	1.03	1.06	1.08	1.11
<b>BREAST (FEMALE)</b>								
STUDY OBS	238	457	494	532	619	626	724	300
SMR	1.12	1.14	1.09	1.03	1.06	1.00	1.06	1.04
CNTRL OBS	448	874	1011	1191	1275	1340	1465	638
SMR	0.91	0.96	0.99	1.06	1.03	1.01	1.04	1.08
<b>THYROID</b>								
STUDY OBS	12	27	22	18	19	16	21	11
SMR	1.19	1.47	1.15	0.95	1.01	0.86	1.18	1.54
CNTRL OBS	22	48	66	47	51	48	37	16
SMR	0.93	1.12	1.50	1.10	1.23	1.20	0.98	1.07
<b>BONES &amp; JOINTS</b>								
STUDY OBS	20	37	34	30	32	32	26	4
SMR	0.89	0.97	0.94	0.84	0.88	0.96	1.03	0.47
CNTRL OBS	61	92	77	61	81	60	49	16
SMR	1.17	1.06	0.97	0.81	1.07	0.88	0.97	0.96
<b>BLADDER</b>								
STUDY OBS	65	120	142	162	153	164	186	74
SMR	0.92	0.95	1.04	1.11	0.97	0.99	1.09	1.05
CNTRL OBS	170	319	345	375	399	440	425	180
SMR	1.01	1.05	1.05	1.09	1.11	1.18	1.14	1.19
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	73	108	141	132	157	175	179	76
SMR	1.34	1.01	1.10	0.96	0.95	0.96	0.93	0.96
CNTRL OBS	135	272	287	318	325	355	427	175
SMR	1.08	1.15	1.05	1.10	0.96	0.93	1.08	1.08
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	53	87	34	9
SMR	0.00	0.00	0.00	0.00	0.93	1.02	0.70	0.79
CNTRL OBS	0	0	0	0	115	182	88	20
SMR	0.00	0.00	0.00	0.00	0.97	1.02	0.88	0.87





## YEARS AFTER STARTUP

	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
COLON & RECTUM							
STUDY	OBS	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)							
STUDY	OBS	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	1	0	0	0	0	0
	SMR	6.68	0.00	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG							
STUDY	OBS	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)							
STUDY	OBS	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00
THYROID							
STUDY	OBS	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS							
STUDY	OBS	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	9.65	0.00	0.00
BLADDER							
STUDY	OBS	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.							
STUDY	OBS	0	1	1	1	1	1
	SMR	0.00	0.89	0.88	1.26	1.73	1.53
CNTRL	OBS	2	0	1	0	0	1
	SMR	0.99	0.00	0.50	0.00	0.00	0.93
BENIGN & UNSPEC NEOPLASMS							
STUDY	OBS	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	1	0
	SMR	0.00	0.00	0.00	0.00	2.64	0.00





Idaho Nat. Eng. Lab. (1949)  
Bingham, ID ; Butte, ID ; Jefferson, ID

Age at death: 20 to 39

YEARS AFTER STARTUP		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY	OBS	2	0	3	2	0	3	1
	SMR	1.76	0.00	2.77	1.96	0.00	2.37	0.71
CNTRL	OBS	6	4	2	2	4	1	3
	SMR	2.12	1.58	0.91	0.96	1.76	0.37	0.98
<b>ALL CANCER, EXCL LEUK</b>								
STUDY	OBS	10	8	10	5	9	13	16
	SMR	0.98	0.80	1.03	0.55	1.03	1.38	1.49
CNTRL	OBS	27	17	13	28	16	11	21
	SMR	1.06	0.77	0.66	1.53	0.87	0.55	0.90
<b>HODGKIN'S DISEASE</b>								
STUDY	OBS	2	0	1	1	1	1	1
	SMR	2.26	0.00	1.06	1.12	1.25	1.46	1.59
CNTRL	OBS	3	2	1	5	4	0	0
	SMR	1.35	0.99	0.52	2.69	2.28	0.00	0.00
<b>OTHER LYMPHOMA</b>								
STUDY	OBS	0	1	0	1	1	1	3
	SMR	0.00	1.86	0.00	1.86	1.86	1.60	3.93
CNTRL	OBS	2	0	0	2	1	2	2
	SMR	1.49	0.00	0.00	1.83	0.86	1.50	1.21
<b>MULTIPLE MYELOMA</b>								
STUDY	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>DIGESTIVE ORGANS</b>								
STUDY	OBS	1	2	1	1	2	0	1
	SMR	0.51	1.12	0.63	0.71	1.54	0.00	0.66
CNTRL	OBS	2	2	2	2	1	3	2
	SMR	0.40	0.51	0.63	0.73	0.38	1.05	0.62
<b>STOMACH</b>								
STUDY	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	1	0	0	0	0	0	0
	SMR	0.88	0.00	0.00	0.00	0.00	0.00	0.00





Age at death: 40 to 59

Idaho Nat. Eng. Lab. (1949)  
Bingham, ID ; Butte, ID ; Jefferson, ID

## YEARS AFTER STARTUP

	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>							
STUDY OBS	2	1	2	1	2	1	5
SMR	0.89	0.40	0.77	0.38	0.80	0.39	1.88
CNTRL OBS	6	5	3	5	5	4	7
SMR	1.00	0.81	0.48	0.80	0.83	0.67	1.17
<b>ALL CANCER, EXCL LEUK</b>							
STUDY OBS	28	43	54	49	48	51	42
SMR	0.49	0.67	0.77	0.64	0.60	0.62	0.50
CNTRL OBS	115	107	132	132	164	182	139
SMR	0.75	0.67	0.78	0.73	0.86	0.95	0.73
<b>HODGKIN'S DISEASE</b>							
STUDY OBS	1	0	0	1	0	0	0
SMR	1.13	0.00	0.00	0.92	0.00	0.00	0.00
CNTRL OBS	5	1	2	3	0	2	0
SMR	2.12	0.39	0.79	1.17	0.00	1.48	0.00
<b>OTHER LYMPHOMA</b>							
STUDY OBS	1	2	1	4	4	2	0
SMR	0.64	1.03	0.44	1.56	1.56	0.79	0.00
CNTRL OBS	4	7	5	3	7	7	10
SMR	0.96	1.44	0.91	0.48	1.12	1.18	1.59
<b>MULTIPLE MYELOMA</b>							
STUDY OBS	0	1	1	1	3	1	0
SMR	0.00	1.39	1.21	1.25	3.26	0.98	0.00
CNTRL OBS	1	0	0	0	2	5	1
SMR	0.71	0.00	0.00	0.00	0.91	2.15	0.43
<b>DIGESTIVE ORGANS</b>							
STUDY OBS	14	10	13	9	11	8	5
SMR	0.76	0.54	0.69	0.47	0.60	0.45	0.28
CNTRL OBS	33	32	35	34	33	34	32
SMR	0.68	0.69	0.78	0.76	0.75	0.82	0.82
<b>STOMACH</b>							
STUDY OBS	7	5	2	2	3	1	0
SMR	1.52	1.25	0.57	0.66	1.13	0.42	0.00
CNTRL OBS	10	5	7	9	9	5	6
SMR	0.84	0.52	0.86	1.29	1.44	0.93	1.22

Age at death: 40 to 59

Idaho Nat. Eng. Lab. (1949)  
Bingham, ID ; Butte, ID ; Jefferson, ID

## YEARS AFTER STARTUP

	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
<b>COLON &amp; RECTUM</b>							
STUDY OBS	1	2	8	4	4	4	1
SMR	0.13	0.25	0.99	0.48	0.49	0.49	0.13
CNTRL OBS	13	10	13	9	11	16	14
SMR	0.64	0.50	0.66	0.45	0.55	0.83	0.79
<b>LIVER (PRIMARY)</b>							
STUDY OBS	2	2	3	2	0	0	1
SMR	0.89	0.96	1.48	1.19	0.00	0.00	0.97
CNTRL OBS	5	6	7	3	1	0	2
SMR	0.84	1.17	1.44	0.77	0.42	0.00	0.91
<b>TRACHEA, BRONCHUS, LUNG</b>							
STUDY OBS	2	5	7	11	5	9	13
SMR	0.24	0.45	0.49	0.62	0.23	0.36	0.48
CNTRL OBS	9	14	21	26	38	43	28
SMR	0.41	0.50	0.62	0.61	0.74	0.75	0.46
<b>BREAST (FEMALE)</b>							
STUDY OBS	0	8	11	9	8	10	8
SMR	0.00	0.96	1.17	0.86	0.73	0.89	0.71
CNTRL OBS	24	18	21	22	31	33	22
SMR	1.23	0.85	0.91	0.86	1.16	1.25	0.86
<b>THYROID</b>							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	1	0	0	1	0
SMR	0.00	1.62	1.82	0.00	0.00	2.31	0.00
<b>BONES &amp; JOINTS</b>							
STUDY OBS	0	0	1	1	1	0	0
SMR	0.00	0.00	2.58	2.83	3.05	0.00	0.00
CNTRL OBS	1	0	0	1	0	1	0
SMR	0.77	0.00	0.00	1.19	0.00	1.55	0.00
<b>BLADDER</b>							
STUDY OBS	0	0	1	1	1	0	0
SMR	0.00	0.00	0.94	0.95	0.99	0.00	0.00
CNTRL OBS	1	0	4	2	3	2	2
SMR	0.33	0.00	1.59	0.80	1.23	0.89	1.04
<b>BRAIN &amp; OTHER C.N.S.</b>							
STUDY OBS	1	3	4	2	2	2	5
SMR	0.47	1.19	1.42	0.73	0.62	0.66	1.65
CNTRL OBS	6	3	4	3	7	5	6
SMR	1.04	0.47	0.58	0.45	0.90	0.70	0.87
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>							
STUDY OBS	0	0	0	0	3	1	0
SMR	0.00	0.00	0.00	0.00	2.39	1.13	0.00
CNTRL OBS	0	0	0	0	5	2	0
SMR	0.00	0.00	0.00	0.00	1.68	0.99	0.00

Age at death: 60 plus

Idaho Nat. Eng. Lab. (1949)  
Bingham, ID ; Butte, ID ; Jefferson, ID

## YEARS AFTER STARTUP

	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>							
STUDY OBS	8	5	6	9	10	9	12
SMR	2.03	0.95	0.94	1.21	1.23	0.96	1.08
CNTRL OBS	12	12	29	29	25	26	35
SMR	0.91	0.71	1.46	1.27	1.02	0.94	1.09
<b>ALL CANCER, EXCL LEUK</b>							
STUDY OBS	109	91	95	138	160	189	210
SMR	0.91	0.65	0.60	0.76	0.77	0.75	0.70
CNTRL OBS	296	367	360	426	465	542	670
SMR	0.74	0.83	0.75	0.79	0.76	0.76	0.79
<b>HODGKIN'S DISEASE</b>							
STUDY OBS	0	1	0	2	0	1	0
SMR	0.00	1.08	0.00	1.77	0.00	1.09	0.00
CNTRL OBS	0	3	2	4	4	2	3
SMR	0.00	1.03	0.65	1.20	1.21	0.76	1.25
<b>OTHER LYMPHOMA</b>							
STUDY OBS	4	2	2	5	1	5	9
SMR	1.91	0.67	0.52	1.01	0.17	0.68	0.93
CNTRL OBS	3	7	8	13	17	16	18
SMR	0.43	0.74	0.68	0.88	0.97	0.75	0.64
<b>MULTIPLE MYELOMA</b>							
STUDY OBS	0	0	2	4	2	9	3
SMR	0.00	0.00	1.07	1.63	0.62	2.15	0.58
CNTRL OBS	3	4	5	7	8	12	10
SMR	1.10	0.92	0.90	0.98	0.87	1.02	0.69
<b>DIGESTIVE ORGANS</b>							
STUDY OBS	56	31	36	48	50	57	59
SMR	1.05	0.53	0.58	0.73	0.73	0.74	0.69
CNTRL OBS	141	146	145	152	162	167	187
SMR	0.79	0.79	0.75	0.76	0.79	0.75	0.77
<b>STOMACH</b>							
STUDY OBS	25	10	9	16	13	8	17
SMR	1.59	0.68	0.67	1.35	1.22	0.77	1.61
CNTRL OBS	58	46	30	39	39	28	21
SMR	1.11	0.99	0.73	1.09	1.24	0.94	0.71

Age at death: 60 plus

Idaho Nat. Eng. Lab. (1949)  
Bingham, ID ; Butte, ID ; Jefferson, ID

## YEARS AFTER STARTUP

	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
<b>COLON &amp; RECTUM</b>							
STUDY OBS	16	13	16	14	16	24	27
SMR	0.75	0.53	0.58	0.46	0.48	0.63	0.64
CNTRL OBS	45	52	60	55	67	71	81
SMR	0.63	0.66	0.70	0.59	0.66	0.63	0.66
<b>LIVER (PRIMARY)</b>							
STUDY OBS	8	1	4	4	1	2	2
SMR	1.24	0.15	0.57	0.69	0.29	0.55	0.46
CNTRL OBS	14	12	25	10	5	8	13
SMR	0.66	0.56	1.15	0.57	0.50	0.79	1.08
<b>TRACHEA, BRONCHUS, LUNG</b>							
STUDY OBS	10	8	6	16	24	28	43
SMR	0.84	0.45	0.24	0.46	0.51	0.44	0.52
CNTRL OBS	21	39	38	66	90	113	126
SMR	0.53	0.71	0.52	0.67	0.68	0.64	0.55
<b>BREAST (FEMALE)</b>							
STUDY OBS	3	6	9	9	12	14	19
SMR	0.39	0.66	0.89	0.76	0.86	0.82	0.94
CNTRL OBS	20	26	22	34	37	41	52
SMR	0.79	0.90	0.69	0.91	0.86	0.81	0.86
<b>THYROID</b>							
STUDY OBS	0	0	0	0	0	0	2
SMR	0.00	0.00	0.00	0.00	0.00	0.00	2.92
CNTRL OBS	1	1	1	5	1	2	0
SMR	0.57	0.51	0.51	2.61	0.50	0.98	0.00
<b>BONES &amp; JOINTS</b>							
STUDY OBS	2	1	0	3	1	1	1
SMR	2.03	1.09	0.00	3.60	1.15	1.26	2.06
CNTRL OBS	2	4	3	1	0	1	0
SMR	0.61	1.37	1.21	0.40	0.00	0.44	0.00
<b>BLADDER</b>							
STUDY OBS	1	2	2	4	14	8	7
SMR	0.21	0.36	0.33	0.60	1.89	0.97	0.80
CNTRL OBS	11	9	12	9	16	17	29
SMR	0.67	0.50	0.63	0.44	0.72	0.70	1.16
<b>BRAIN &amp; OTHER C.N.S.</b>							
STUDY OBS	2	0	1	0	2	10	6
SMR	2.02	0.00	0.58	0.00	0.54	2.01	1.02
CNTRL OBS	5	1	2	4	7	16	13
SMR	1.55	0.25	0.40	0.63	0.68	1.15	0.78
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>							
STUDY OBS	0	0	0	0	3	4	2
SMR	0.00	0.00	0.00	0.00	1.21	1.61	2.08
CNTRL OBS	0	0	0	0	6	9	3
SMR	0.00	0.00	0.00	0.00	0.82	1.25	1.09

Idaho Nat. Eng. Lab. (1949)  
Bingham, ID ; Butte, ID ; Jefferson, ID

Age at death: all

## YEARS AFTER STARTUP

	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>							
STUDY OBS	17	7	15	15	13	16	21
SMR	1.62	0.56	1.10	1.06	0.91	1.04	1.23
CNTRL OBS	28	26	41	47	39	31	53
SMR	0.97	0.80	1.17	1.27	1.04	0.77	1.19
<b>ALL CANCER, EXCL LEUK</b>							
STUDY OBS	149	148	164	195	220	258	271
SMR	0.78	0.68	0.68	0.72	0.73	0.74	0.68
CNTRL OBS	451	500	512	595	654	736	834
SMR	0.77	0.79	0.75	0.79	0.79	0.79	0.78
<b>HODGKIN'S DISEASE</b>							
STUDY OBS	3	2	1	4	1	2	1
SMR	1.08	0.64	0.30	1.19	0.33	0.87	0.49
CNTRL OBS	9	8	6	13	8	4	3
SMR	1.17	1.00	0.74	1.58	1.06	0.71	0.60
<b>OTHER LYMPHOMA</b>							
STUDY OBS	5	6	5	11	7	8	13
SMR	1.06	0.98	0.68	1.27	0.73	0.73	0.96
CNTRL OBS	13	16	13	22	25	25	30
SMR	0.95	0.95	0.66	0.95	0.96	0.85	0.82
<b>MULTIPLE MYELOMA</b>							
STUDY OBS	0	1	3	5	5	10	3
SMR	0.00	0.46	1.09	1.52	1.20	1.91	0.47
CNTRL OBS	4	4	5	7	10	17	11
SMR	0.94	0.64	0.66	0.77	0.87	1.20	0.65
<b>DIGESTIVE ORGANS</b>							
STUDY OBS	71	43	50	58	63	65	65
SMR	0.96	0.54	0.60	0.67	0.71	0.68	0.62
CNTRL OBS	177	180	182	188	196	204	221
SMR	0.76	0.76	0.76	0.76	0.78	0.76	0.77
<b>STOMACH</b>							
STUDY OBS	32	15	11	18	16	9	17
SMR	1.54	0.78	0.64	1.19	1.18	0.69	1.30
CNTRL OBS	69	51	37	48	48	33	27
SMR	1.06	0.89	0.74	1.11	1.26	0.93	0.77

Age at death: all

Idaho Nat. Eng. Lab. (1949)  
Bingham, ID ; Butte, ID ; Jefferson, ID

## YEARS AFTER STARTUP

	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
<b>COLON &amp; RECTUM</b>							
STUDY OBS	17	16	24	19	21	28	29
SMR	0.57	0.48	0.66	0.48	0.49	0.59	0.57
CNTRL OBS	58	63	74	65	79	88	95
SMR	0.61	0.62	0.69	0.56	0.64	0.66	0.67
<b>LIVER (PRIMARY)</b>							
STUDY OBS	10	3	7	6	1	2	3
SMR	1.11	0.33	0.75	0.78	0.21	0.42	0.53
CNTRL OBS	20	18	32	13	6	9	15
SMR	0.72	0.66	1.18	0.60	0.47	0.71	1.02
<b>TRACHEA, BRONCHUS, LUNG</b>							
STUDY OBS	12	13	13	27	30	37	58
SMR	0.57	0.44	0.32	0.50	0.43	0.41	0.52
CNTRL OBS	32	54	60	92	128	156	157
SMR	0.51	0.64	0.55	0.64	0.69	0.66	0.54
<b>BREAST (FEMALE)</b>							
STUDY OBS	3	15	21	19	22	26	28
SMR	0.19	0.80	1.00	0.81	0.84	0.88	0.84
CNTRL OBS	49	46	44	60	70	74	76
SMR	1.02	0.86	0.76	0.92	0.97	0.93	0.85
<b>THYROID</b>							
STUDY OBS	0	0	0	0	0	0	2
SMR	0.00	0.00	0.00	0.00	0.00	0.00	2.28
CNTRL OBS	1	2	2	5	1	3	0
SMR	0.40	0.75	0.77	2.01	0.40	1.19	0.00
<b>BONES &amp; JOINTS</b>							
STUDY OBS	4	2	2	4	3	3	2
SMR	1.91	0.99	1.10	2.21	1.66	1.83	1.69
CNTRL OBS	5	5	3	3	2	2	0
SMR	0.83	0.93	0.65	0.66	0.44	0.50	0.00
<b>BLADDER</b>							
STUDY OBS	1	2	3	5	15	8	7
SMR	0.17	0.30	0.42	0.64	1.77	0.87	0.72
CNTRL OBS	12	9	16	11	19	20	31
SMR	0.61	0.43	0.74	0.48	0.76	0.76	1.15
<b>BRAIN &amp; OTHER C.N.S.</b>							
STUDY OBS	5	6	9	4	5	16	13
SMR	0.93	0.95	1.27	0.57	0.56	1.60	1.18
CNTRL OBS	15	10	9	11	16	23	21
SMR	1.06	0.65	0.54	0.65	0.72	0.93	0.76
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>							
STUDY OBS	0	0	0	0	6	5	2
SMR	0.00	0.00	0.00	0.00	1.32	1.25	1.43
CNTRL OBS	0	0	0	0	11	13	3
SMR	0.00	0.00	0.00	0.00	0.93	1.25	0.82





Age at death: under 10

Paducah Gas. Diff. (1950)  
Ballard, KY ; Mc Cracken, KY

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP				
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84	
COLON & RECTUM									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
LIVER (PRIMARY)									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	1	0	0	0	0	0	
SMR	0.00	0.00	2.22	0.00	0.00	0.00	0.00	0.00	
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BREAST (FEMALE)									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
THYROID									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BONES & JOINTS									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	1	0	0	0	
SMR	0.00	0.00	0.00	0.00	2.23	0.00	0.00	0.00	
BLADDER									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	1	0	0	0	0	0	0	
SMR	0.00	8.62	0.00	0.00	0.00	0.00	0.00	0.00	
BRAIN & OTHER C.N.S.									
STUDY OBS	1	2	1	1	0	1	0	0	
SMR	5.09	1.89	0.84	0.90	0.00	1.68	0.00	0.00	
CNTRL OBS	0	9	6	5	3	3	3	3	
SMR	0.00	1.47	0.91	0.81	0.66	0.85	1.06	1.36	
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	1	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.65	0.00	0.00	



Age at death: 10 to 19

Paducah Gas. Diff. (1950)  
Ballard, KY ; Mc Cracken, KY

YEARS BEFORE STARTUP		YEARS AFTER STARTUP						
1950-50		1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM								
STUDY	OBS	0	1	0	0	0	0	0
SMR		0.00	22.78	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	1	0	0	0	0	1
SMR		0.00	4.09	0.00	0.00	0.00	0.00	8.89
LIVER (PRIMARY)								
STUDY	OBS	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG								
STUDY	OBS	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)								
STUDY	OBS	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	1	0	0	0
SMR		0.00	0.00	0.00	37.13	0.00	0.00	0.00
THYROID								
STUDY	OBS	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS								
STUDY	OBS	1	0	1	2	2	0	0
SMR		14.19	0.00	2.23	4.23	4.73	0.00	0.00
CNTRL	OBS	0	1	3	1	2	2	0
SMR		0.00	0.41	1.18	0.37	0.77	0.96	0.00
BLADDER								
STUDY	OBS	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.								
STUDY	OBS	0	0	0	0	2	1	0
SMR		0.00	0.00	0.00	0.00	3.42	2.19	0.00
CNTRL	OBS	0	5	5	3	5	2	2
SMR		0.00	1.52	1.41	0.89	1.42	0.67	1.00
BENIGN & UNSPEC NEOPLASMS								
STUDY	OBS	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	2	1	0
SMR		0.00	0.00	0.00	0.00	1.48	1.34	0.00

Age at death: 20 to 39

Paducah Gas. Diff. (1950)  
Ballard, KY ; Mc Cracken, KY

YEARS BEFORE STARTUP		YEARS AFTER STARTUP					1981-84	
1950-50		1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA								
STUDY OBS	0	2	1	1	2	1	3	1
SMR	0.00	1.10	0.55	0.59	1.24	0.60	1.67	0.68
CNTRL OBS	0	7	13	14	7	12	16	14
SMR	0.00	0.64	1.24	1.40	0.71	1.10	1.30	1.31
ALL CANCER, EXCL LEUK								
STUDY OBS	4	21	16	21	16	21	17	15
SMR	1.14	1.20	0.94	1.32	1.12	1.56	1.24	1.31
CNTRL OBS	26	94	91	86	98	90	88	76
SMR	1.27	0.94	0.96	0.95	1.16	1.06	0.98	0.95
HODGKIN'S DISEASE								
STUDY OBS	0	3	0	0	2	1	1	0
SMR	0.00	2.15	0.00	0.00	1.47	0.85	1.09	0.00
CNTRL OBS	2	7	4	9	7	3	3	5
SMR	1.17	0.84	0.48	1.05	0.83	0.39	0.48	1.06
OTHER LYMPHOMA								
STUDY OBS	0	0	1	2	1	0	0	0
SMR	0.00	0.00	1.14	2.23	1.19	0.00	0.00	0.00
CNTRL OBS	0	5	7	6	5	4	7	2
SMR	0.00	0.98	1.40	1.15	0.98	0.74	1.15	0.35
MULTIPLE MYELOMA								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	1	0	1	0	1	0
SMR	0.00	2.34	2.25	0.00	2.85	0.00	2.60	0.00
DIGESTIVE ORGANS								
STUDY OBS	0	2	0	4	2	4	2	2
SMR	0.00	0.60	0.00	1.54	0.91	2.01	0.99	1.21
CNTRL OBS	6	13	8	11	13	14	10	10
SMR	1.53	0.69	0.48	0.76	1.02	1.14	0.77	0.88
STOMACH								
STUDY OBS	0	1	0	0	0	0	0	0
SMR	0.00	1.28	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	1	2	1	1	4	2	0	1
SMR	1.09	0.46	0.27	0.34	1.76	0.96	0.00	0.53



Age at death: 20 to 39

Paducah Gas. Diff. (1950)  
Ballard, KY ; Mc Cracken, KY

		YEARS BEFORE STARTUP		YEARS AFTER STARTUP					
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM									
STUDY	OBS	0	0	0	4	0	2	2	2
SMR		0.00	0.00	0.00	3.19	0.00	2.05	2.02	2.54
CNTRL	OBS	3	8	4	5	7	8	8	3
SMR		1.56	0.86	0.49	0.71	1.13	1.33	1.26	0.56
LIVER (PRIMARY)									
STUDY	OBS	0	0	0	0	1	1	0	0
SMR		0.00	0.00	0.00	0.00	4.60	5.37	0.00	0.00
CNTRL	OBS	1	3	1	0	2	2	1	1
SMR		2.34	1.47	0.59	0.00	1.56	1.69	0.73	0.76
TRACHEA, BRONCHUS, LONG									
STUDY	OBS	0	3	3	1	3	4	5	0
SMR		0.00	3.02	2.49	0.75	2.26	3.07	3.81	0.00
CNTRL	OBS	3	4	11	4	12	10	10	11
SMR		2.76	0.72	1.67	0.54	1.57	1.25	1.20	1.55
BREAST (FEMALE)									
STUDY	OBS	0	2	2	3	0	2	3	3
SMR		0.00	0.83	0.82	1.30	0.00	1.02	1.42	1.53
CNTRL	OBS	4	13	15	9	8	12	10	8
SMR		1.49	0.97	1.12	0.70	0.69	1.02	0.77	0.63
THYROID									
STUDY	OBS	0	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	1	0	0	0
SMR		0.00	0.00	0.00	0.00	3.66	0.00	0.00	0.00
BONES & JOINTS									
STUDY	OBS	1	0	0	0	0	1	0	0
SMR		14.55	0.00	0.00	0.00	0.00	3.77	0.00	0.00
CNTRL	OBS	0	0	0	0	1	1	3	0
SMR		0.00	0.00	0.00	0.00	0.65	0.55	1.47	0.00
BLADDER									
STUDY	OBS	0	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	3	0	0	1	0	0	0	0
SMR		24.17	0.00	0.00	2.83	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.									
STUDY	OBS	0	2	2	2	2	0	2	4
SMR		0.00	1.41	1.38	1.46	1.67	0.00	1.52	3.71
CNTRL	OBS	2	7	10	8	17	9	7	6
SMR		1.18	0.84	1.21	1.01	2.35	1.07	0.80	0.77
BENIGN & UNSPEC NEOPLASMS									
STUDY	OBS	0	0	0	0	1	0	0	0
SMR		0.00	0.00	0.00	0.00	9.34	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	1	2	2	0
SMR		0.00	0.00	0.00	0.00	1.52	0.60	0.87	0.00



Table 2-A.5

Age at death: 40 to 59

Paducah Gas. Diff. (1950)  
Ballard, KY ; Mc Cracken, KY

YEARS BEFORE STARTUP		YEARS AFTER STARTUP						
1950-50		1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA								
STUDY	OBS	1	7	3	5	5	4	4
	SHR	1.11	1.50	0.61	1.02	1.04	1.34	0.94
CNTRL	OBS	1	31	27	30	27	29	20
	SHR	0.23	1.35	1.11	1.21	1.09	1.20	0.82
ALL CANCER, EXCL LEUK								
STUDY	OBS	23	106	145	152	159	154	126
	SHR	0.92	0.82	1.07	1.08	1.08	1.04	1.13
CNTRL	OBS	119	580	595	765	767	848	860
	SHR	0.99	0.92	0.88	1.07	1.02	1.07	1.06
HODGKIN'S DISEASE								
STUDY	OBS	0	2	1	2	1	1	0
	SHR	0.00	1.12	0.52	1.04	0.53	0.68	0.00
CNTRL	OBS	1	11	5	14	8	11	5
	SHR	0.59	1.24	0.52	1.42	0.82	1.40	1.33
OTHER LYMPHOMA								
STUDY	OBS	0	1	6	4	2	2	6
	SHR	0.00	0.30	1.55	0.92	0.43	0.44	0.47
CNTRL	OBS	4	18	15	29	23	25	23
	SHR	1.34	1.12	0.78	1.32	0.95	1.03	0.95
MULTIPLE MYELOMA								
STUDY	OBS	0	0	1	3	4	0	1
	SHR	0.00	0.00	0.62	1.76	2.42	0.00	0.55
CNTRL	OBS	2	5	10	11	5	7	7
	SHR	1.82	0.82	1.27	1.29	0.60	0.73	0.78
DIGESTIVE ORGANS								
STUDY	OBS	4	29	41	39	35	32	31
	SHR	0.50	0.71	1.04	1.03	0.96	0.94	1.00
CNTRL	OBS	36	160	168	142	174	176	160
	SHR	0.95	0.82	0.87	0.75	0.94	0.98	0.91
STOMACH								
STUDY	OBS	1	6	4	4	3	2	6
	SHR	0.48	0.59	0.48	0.58	0.52	0.41	1.47
CNTRL	OBS	15	37	33	27	20	19	25
	SHR	1.55	0.76	0.80	0.78	0.68	0.73	1.09

Paducah Gas. Diff. (1950)  
Ballard, KY ; Mc Cracken, KY

		YEARS AFTER STARTUP									
		YEARS BEFORE STARTUP		1950-50		1951-55	1956-60	1961-65	1966-70	1971-75	1976-80
COLON & RECTUM	STUDY	OBS	3	12	22	19	19	19	14	14	11
	SMR	0.94	0.73	1.35	1.19	1.20	1.01	1.07			
	CNTRL	OBS	11	59	58	67	69	74	69	49	
	SMR	0.72	0.74	0.72	0.83	0.83	0.92	0.87	0.83		
LIVER (PRIMARY)	STUDY	OBS	0	5	11	7	4	1	0	1	
	SMR	0.00	0.98	2.44	1.73	1.30	0.52	0.00	0.73		
	CNTRL	OBS	3	21	17	18	15	12	4	10	
	SMR	0.63	0.86	0.77	0.89	0.96	1.19	0.42	1.27		
TRACHEA, BRONCHUS, LUNG	STUDY	OBS	1	12	31	31	40	52	70	45	
	SMR	0.31	0.69	1.38	1.12	1.18	1.31	1.65	1.28		
	CNTRL	OBS	11	72	103	163	215	261	305	271	
	SMR	0.71	0.85	0.93	1.17	1.24	1.23	1.27	1.35		
BREAST (FEMALE)	STUDY	OBS	6	13	20	20	21	20	18	12	
	SMR	1.81	0.75	1.06	1.00	0.99	0.95	0.91	0.80		
	CNTRL	OBS	19	70	72	96	97	103	87		
	SMR	1.18	0.82	0.76	0.94	0.88	0.87	0.90	0.98		
THYROID	STUDY	OBS	0	1	0	1	0	0	0	0	
	SMR	0.00	1.82	0.00	2.20	0.00	0.00	0.00	0.00		
	CNTRL	OBS	0	1	3	1	2	2	1		
	SMR	0.00	0.38	1.18	0.44	0.97	1.08	1.13	0.82		
BONES & JOINTS	STUDY	OBS	0	1	2	1	2	0	0	0	
	SMR	0.00	0.97	2.23	1.35	3.05	0.00	0.00	0.00		
	CNTRL	OBS	1	6	5	2	4	6	3	1	
	SMR	1.01	1.19	1.12	0.54	1.19	1.93	1.19	0.76		
BLADDER	STUDY	OBS	0	3	3	5	1	0	2	0	
	SMR	0.00	1.19	1.31	2.37	0.50	0.00	1.27	0.00		
	CNTRL	OBS	4	13	10	22	13	9	2	0	
	SMR	1.71	1.09	0.89	2.09	1.30	0.63	1.02	0.32		
BRAIN & OTHER C.N.S.	STUDY	OBS	3	2	4	4	5	8	6	3	
	SMR	3.70	0.47	0.83	0.78	0.98	1.42	1.21	0.79		
	CNTRL	OBS	1	27	22	34	29	36	36	23	
	SMR	0.25	1.27	0.91	1.31	1.10	1.19	1.26	1.04		
BENIGN & UNSPEC NEOPLASMS	STUDY	OBS	0	0	0	0	0	2	0	1	
	SMR	0.00	0.00	0.00	0.00	0.00	0.91	0.00	3.06		
	CNTRL	OBS	0	0	0	0	2	4	0	0	
	SMR	0.00	0.00	0.00	0.00	0.81	1.02	0.54	0.00		

Age at death: 60 plus

Paducah Gas. Diff. (1950)  
Ballard, KY ; Mc Cracken, KY

YEARS BEFORE STARTUP		YEARS AFTER STARTUP					1981-84	
1950-50		1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA								
STUDY OBS	1	10	15	12	27	22	21	12
SMR	0.55	0.98	1.13	0.76	1.53	1.17	1.01	0.66
CNTRL OBS	8	42	57	65	76	92	111	103
SMR	1.05	0.97	1.00	0.94	0.94	1.03	1.10	1.13
ALL CANCER, EXCL LEUK								
STUDY OBS	54	263	316	332	395	488	589	522
SMR	0.93	0.83	0.87	0.83	0.89	1.00	1.06	1.07
CNTRL OBS	197	1065	1288	1549	1836	2220	2683	2453
SMR	0.82	0.80	0.83	0.87	0.91	0.95	0.98	0.99
HODGKIN'S DISEASE								
STUDY OBS	0	2	2	3	1	2	0	1
SMR	0.00	1.02	0.88	1.22	0.39	0.83	0.00	0.74
CNTRL OBS	1	8	9	12	14	10	17	6
SMR	0.66	0.95	0.91	1.09	1.17	0.87	1.83	0.88
OTHER LYMPHOMA								
STUDY OBS	0	6	8	8	12	16	19	18
SMR	0.00	1.09	1.05	0.83	1.01	1.16	1.15	1.14
CNTRL OBS	4	20	18	35	52	68	83	84
SMR	0.98	0.85	0.54	0.81	0.94	1.03	1.03	1.06
MULTIPLE MYELOMA								
STUDY OBS	0	2	4	9	4	5	12	5
SMR	0.00	0.84	1.05	1.81	0.63	0.62	1.21	0.56
CNTRL OBS	0	7	25	32	29	40	49	53
SMR	0.00	0.69	1.53	1.46	0.99	1.04	1.02	1.17
DIGESTIVE ORGANS								
STUDY OBS	23	107	115	146	138	163	183	139
SMR	0.89	0.76	0.76	0.93	0.86	1.00	1.06	0.96
CNTRL OBS	90	406	481	546	649	690	734	647
SMR	0.84	0.69	0.75	0.79	0.89	0.89	0.87	0.90
STOMACH								
STUDY OBS	7	25	27	33	13	17	24	7
SMR	0.91	0.62	0.72	0.98	0.45	0.68	1.02	0.39
CNTRL OBS	27	98	125	113	96	93	76	58
SMR	0.86	0.59	0.79	0.78	0.74	0.79	0.67	0.65

Age at death: 60 plus  
Paducah Gas. Diff. (1950)  
Ballard, KY ; Mc Cracken, KY

YEARS BEFORE STARTUP		YEARS AFTER STARTUP				1981-84	
1950-50		1951-55	1956-60	1961-65	1966-70	1971-75	1976-80
COLON & RECTUM	STUDY OBS	4	42	62	64	80	93
	SMR	0.39	0.66	0.89	0.86	1.00	1.07
	CNTRL OBS	33	172	216	293	322	392
LIVER (PRIMARY)	STUDY OBS	0.77	0.63	0.70	0.86	0.85	0.93
	SMR						
	CNTRL OBS						
TRACHEA, BRONCHUS, LUNG	STUDY OBS	5	16	20	15	7	11
	SMR	1.58	0.91	1.16	1.14	0.87	1.34
	CNTRL OBS	14	56	60	59	42	38
BREAST (FEMALE)	STUDY OBS	1.06	0.74	0.79	0.98	1.10	0.95
	SMR						
	CNTRL OBS						
THYROID	STUDY OBS	8	29	51	69	116	164
	SMR	1.51	0.66	0.85	0.87	1.12	1.25
	CNTRL OBS	13	144	246	343	506	732
BONES & JOINTS	STUDY OBS	0.59	0.76	0.92	0.93	1.02	1.13
	SMR						
	CNTRL OBS						
BLADDER	STUDY OBS	2	31	15	27	36	40
	SMR	0.49	1.19	0.51	0.80	0.94	0.91
	CNTRL OBS	10	86	117	131	180	192
BRAIN & OTHER C.N.S.	STUDY OBS	0.56	0.74	0.87	0.83	0.98	0.90
	SMR						
	CNTRL OBS						
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	2	1	2	3	2
	SMR	0.00	1.24	0.61	1.25	1.85	1.25
	CNTRL OBS	0	11	4	4	7	4
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	1.56	0.55	0.54	0.90	0.51
	SMR						
	CNTRL OBS						
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	5	2	1	1
	SMR	0.00	0.00	2.51	1.01	0.52	0.63
	CNTRL OBS	1	12	8	7	10	15
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.52	1.25	0.91	0.77	1.09	1.95
	SMR						
	CNTRL OBS						
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	1	8	9	18	10	16
	SMR	0.44	0.58	0.61	1.15	0.60	0.92
	CNTRL OBS	7	49	46	54	66	79
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.75	0.84	0.71	0.76	0.84	0.94
	SMR						
	CNTRL OBS						
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	3	4	4	5	10
	SMR	0.00	0.94	0.97	0.73	0.59	0.96
	CNTRL OBS	1	13	12	27	31	67
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.55	0.91	0.63	1.03	0.76	1.30
	SMR						
	CNTRL OBS						
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	1	0
	SMR	0.00	0.00	0.00	0.00	0.17	0.00
	CNTRL OBS	0	0	0	3	23	15
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	0.00	0.00	0.57	0.84	0.63
	SMR						
	CNTRL OBS						

Age at death: all		Paducah Gas. Diff. (1950) Ballard, KY ; Mc Cracken, KY							
YEARS BEFORE STARTUP		YEARS AFTER STARTUP							
1950-50		1951-55		1956-60		1961-65		1966-70	
								1971-75	
								1976-80	
								1981-84	
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	2	20	23	23	23	35	33	29
SMR		0.53	0.99	0.96	0.88	1.28	1.20	1.00	1.00
CNTRL	OBS	13	94	114	131	131	144	159	148
SMR		0.71	0.96	1.00	1.04	0.98	1.03	1.06	1.14
ALL CANCER, EXCL LEUK									
STUDY	OBS	84	396	480	511	573	672	776	663
SMR		0.96	0.85	0.92	0.91	0.94	1.02	1.08	1.08
CNTRL	OBS	343	1772	2003	2431	2728	3183	3649	3240
SMR		0.89	0.85	0.85	0.93	0.94	0.98	1.00	1.01
HODGKIN'S DISEASE									
STUDY	OBS	1	7	3	6	4	4	1	1
SMR		0.97	1.29	0.50	0.97	0.66	0.76	0.26	0.38
CNTRL	OBS	4	27	21	36	33	24	28	18
SMR		0.76	0.99	0.71	1.15	1.04	0.85	1.29	1.16
OTHER LYMPHOMA									
STUDY	OBS	0	9	15	15	15	20	21	24
SMR		0.00	0.88	1.14	0.96	0.83	1.01	0.95	1.18
CNTRL	OBS	8	47	44	73	83	101	118	110
SMR		0.91	0.97	0.71	0.98	0.94	1.02	1.04	1.03
MULTIPLE MYELOMA									
STUDY	OBS	0	2	5	12	8	5	13	6
SMR		0.00	0.54	0.91	1.78	0.99	0.50	1.11	0.57
CNTRL	OBS	2	13	36	43	35	47	58	60
SMR		0.70	0.78	1.46	1.39	0.92	0.98	0.99	1.12
DIGESTIVE ORGANS									
STUDY	OBS	27	138	157	189	175	199	216	162
SMR		0.78	0.75	0.81	0.95	0.88	1.00	1.05	0.96
CNTRL	OBS	132	579	659	699	836	880	904	768
SMR		0.88	0.72	0.77	0.78	0.90	0.91	0.88	0.88
STOMACH									
STUDY	OBS	8	32	31	37	16	19	30	9
SMR		0.80	0.62	0.67	0.90	0.46	0.63	1.08	0.43
CNTRL	OBS	43	137	159	141	120	114	101	70
SMR		1.02	0.62	0.78	0.77	0.74	0.78	0.73	0.65



Age at death: all

Paducah Gas. Diff. (1950)  
Ballard, KY ; Mc Cracken, KY

YEARS BEFORE STARTUP		YEARS AFTER STARTUP				1961-65		1966-70	1971-75	1976-80	1981-84
1950-50		1951-55	1956-60								
COLON & RECTUM	STUDY OBS	7		56	65	85	83		96	109	91
	SMR	0.51		0.75	0.80	0.98	0.91		1.00	1.07	1.10
	CNTRL OBS	47		232	235	288	367		404	469	355
	SMR	0.78		0.71	0.65	0.73	0.85		0.87	0.93	0.84
LIVER (PRIMARY)	STUDY OBS	5		26	27	27	20		9	11	5
	SMR	1.17		1.16	1.20	1.25	1.21		0.88	1.08	0.57
	CNTRL OBS	18		91	75	78	76		56	43	45
	SMR	0.97		0.92	0.75	0.79	0.98		1.12	0.83	0.99
TRACHEA, BRONCHUS, LUNG	STUDY OBS	9		37	63	83	112		172	239	204
	SMR	1.03		0.76	0.93	0.93	0.97		1.19	1.37	1.27
	CNTRL OBS	27		169	258	413	570		777	1047	1066
	SMR	0.70		0.77	0.84	1.00	1.04		1.09	1.17	1.27
BREAST (FEMALE)	STUDY OBS	8		32	53	38	48		58	61	40
	SMR	1.01		0.75	1.12	0.73	0.84		0.95	0.93	0.72
	CNTRL OBS	33		156	173	222	237		292	305	250
	SMR	0.90		0.79	0.77	0.89	0.85		0.94	0.89	0.84
THYROID	STUDY OBS	0		2	2	2	2		3	2	1
	SMR	0.00		0.97	0.91	0.93	0.97		1.49	1.03	0.68
	CNTRL OBS	0		11	14	5	7		9	6	4
	SMR	0.00		1.19	1.40	0.50	0.72		0.91	0.61	0.53
BONES & JOINTS	STUDY OBS	2		4	2	7	6		4	1	1
	SMR	2.40		0.93	0.50	1.99	1.75		1.23	0.38	0.68
	CNTRL OBS	2		17	18	13	14		19	23	6
	SMR	0.51		0.84	0.96	0.76	0.82		1.11	1.57	0.70
BLADDER	STUDY OBS	1		16	11	14	19		10	18	11
	SMR	0.36		1.07	0.68	0.83	1.07		0.54	0.94	0.73
	CNTRL OBS	14		51	59	69	67		72	88	61
	SMR	1.19		0.80	0.84	0.91	0.82		0.82	0.94	0.80
BRAIN & OTHER C.N.S.	STUDY OBS	4		8	10	11	11		16	19	13
	SMR	2.21		0.83	0.89	0.89	0.83		0.97	1.08	0.88
	CNTRL OBS	4		56	56	64	79		84	115	78
	SMR	0.43		1.14	0.99	1.02	1.17		0.97	1.21	0.96
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0		0	0	0	1		3	0	2
	SMR	0.00		0.00	0.00	0.00	0.55		0.33	0.00	0.90
	CNTRL OBS	0		0	0	0	6		40	22	9
	SMR	0.00		0.00	0.00	0.00	0.67		0.88	0.62	0.78



Table 2-A.6

[illegible]

Age at death: under 10

Savannah River (1950)  
Aiken, SC ; Barnwell, SC ; Burke, GA

YEARS BEFORE STARTUP		YEARS AFTER STARTUP				1971-75		1976-80	1981-84
1950-50		1951-55	1956-60	1961-65	1966-70	1971-75		1976-80	1981-84
COLON & RECTUM	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	5.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)	STUDY OBS	0	0	0	1	1	0	0	0
	SMR	0.00	0.00	0.00	8.22	7.28	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	4.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	1	0	0	0	0	0	0	0
	SMR	6.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	1
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.42
THYROID	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	1	1	1	0	0	0	0
	SMR	0.00	1.94	2.10	2.53	0.00	0.00	0.00	0.00
BLADDER	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	1	0	1	0	0	0
	SMR	0.00	0.00	13.25	0.00	21.47	0.00	0.00	0.00
BRAIN & OTHER C.N.S.	STUDY OBS	0	1	3	0	0	1	0	0
	SMR	0.00	0.39	1.19	0.00	0.00	0.88	0.00	0.00
	CNTRL OBS	0	5	5	4	0	4	1	1
	SMR	0.00	0.81	0.83	0.89	0.00	1.35	0.43	0.43
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	1	1	0	0	0
	SMR	0.00	0.00	0.00	7.02	1.55	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	1	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.94	0.00	0.00

Age at death: 10 to 19

Savannah River (1950)  
Aiken, SC ; Barnwell, SC ; Burke, GA

YEARS BEFORE STARTUP		YEARS AFTER STARTUP					1981-84	
1950-50		1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA								
STUDY	OBS	0	2	0	2	3	1	2
SHR		0.00	0.83	0.00	0.72	1.13	0.44	1.23
CNTRL	OBS	1	2	8	6	8	7	7
SHR		0.94	0.32	1.21	0.89	1.20	1.18	1.64
ALL CANCER, EXCL LEUK								
STUDY	OBS	0	5	8	11	4	3	4
SHR		0.00	1.00	1.47	1.98	0.78	0.69	1.31
CNTRL	OBS	2	17	9	25	15	10	7
SHR		0.85	1.28	0.65	1.81	1.15	0.87	0.85
HODGKIN'S DISEASE								
STUDY	OBS	0	0	0	0	0	0	0
SHR		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	4	0	1	1	0	1
SHR		0.00	2.99	0.00	0.76	1.11	0.00	1.89
OTHER LYMPHOMA								
STUDY	OBS	0	0	1	1	0	1	0
SHR		0.00	0.00	1.27	1.21	0.00	1.70	0.00
CNTRL	OBS	0	2	1	5	2	5	2
SHR		0.00	1.11	0.51	2.47	1.11	3.29	1.80
MULTIPLE MYELOMA								
STUDY	OBS	0	0	0	0	0	0	0
SHR		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0
SHR		0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS								
STUDY	OBS	0	0	0	1	0	2	1
SHR		0.00	0.00	0.00	3.38	0.00	7.57	5.48
CNTRL	OBS	0	4	0	6	1	0	0
SHR		0.00	4.37	0.00	7.63	1.30	0.00	0.00
STOMACH								
STUDY	OBS	0	0	0	0	0	0	0
SHR		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	1	0	0	0	0	0
SHR		0.00	11.42	0.00	0.00	0.00	0.00	0.00

		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-85
COLON & RECTUM	STUDY OBS	0	0	0	0	1	0	1	1
	SMR	0.00	0.00	0.00	0.00	8.42	0.00	9.22	18.41
	CNTRL OBS	0	2	2	0	3	1	0	0
	SMR	0.00	4.89	5.39	0.00	8.98	2.86	0.00	0.00
LIVER (PRIMARY)	STUDY OBS	0	0	0	0	0	0	1	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	9.25	0.00
	CNTRL OBS	0	0	0	0	2	0	0	0
	SMR	0.00	0.00	0.00	0.00	7.15	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	2	0	0	0	0	0	0
	SMR	0.00	8.85	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS	STUDY OBS	0	1	2	3	2	0	0	2
	SMR	0.00	1.33	2.19	3.18	1.99	0.00	0.00	3.90
	CNTRL OBS	0	1	4	0	2	0	2	2
	SMR	0.00	0.46	1.64	0.00	0.80	0.00	1.00	1.48
BLADDER	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.	STUDY OBS	0	2	0	1	1	0	0	1
	SMR	0.00	2.04	0.00	0.75	0.81	0.00	0.00	1.31
	CNTRL OBS	0	2	2	3	4	4	2	2
	SMR	0.00	0.71	0.64	0.90	1.33	1.18	0.69	0.99
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	1	2	1	0
	SMR	0.00	0.00	0.00	0.00	3.30	1.38	1.26	0.00

Age at death: 20 to 39

Savannah River (1950)  
Aiken, SC ; Barnwell, SC ; Burke, GA

YEARS BEFORE STARTUP		YEARS AFTER STARTUP						
1950-50		1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA								
STUDY	OBS	0						6
	SMR	0.00						1.82
CNTRL	OBS	3	1.01	1.23	0.95	1.21	1.34	7
	SMR	1.73	0.70	0.50	0.62	1.03	0.70	0.77
ALL CANCER, EXCL LEUK								
STUDY	OBS	2	33	38	27	27	26	26
	SMR	0.33	1.05	1.18	0.92	0.97	0.89	0.99
CNTRL	OBS	17	110	84	60	89	84	72
	SMR	0.93	1.23	1.06	0.81	1.22	1.07	0.99
HODGKIN'S DISEASE								
STUDY	OBS	0	0	1	1	2	2	0
	SMR	0.00	0.00	0.38	0.41	0.93	1.13	0.00
CNTRL	OBS	1	2	7	3	5	8	4
	SMR	0.81	0.33	1.14	0.50	0.90	1.72	1.10
OTHER LYMPHOMA								
STUDY	OBS	0	1	0	1	1	2	2
	SMR	0.00	0.70	0.00	0.61	0.62	1.09	1.13
CNTRL	OBS	1	4	4	4	10	6	4
	SMR	1.19	0.98	0.96	0.97	2.36	1.22	0.82
MULTIPLE MYELOMA								
STUDY	OBS	0	1	0	0	0	0	1
	SMR	0.00	6.46	0.00	0.00	0.00	0.00	7.10
CNTRL	OBS	0	0	0	0	1	2	2
	SMR	0.00	0.00	0.00	0.00	2.70	4.64	4.99
DIGESTIVE ORGANS								
STUDY	OBS	0	9	10	4	2	5	3
	SMR	0.00	1.44	1.78	0.83	0.45	1.05	0.70
CNTRL	OBS	5	20	11	11	17	12	11
	SMR	1.36	1.13	0.77	0.88	1.40	0.91	0.91
STOMACH								
STUDY	OBS	0	0	4	1	0	1	1
	SMR	0.00	0.00	3.23	1.05	0.00	1.16	1.29
CNTRL	OBS	2	7	5	5	4	1	1
	SMR	2.13	1.57	1.55	1.97	1.71	0.41	0.45

Age at death: 20 to 39

Savannah River (1950)  
Aiken, SC ; Barnwell, SC ; Burke, GA

	YEARS BEFORE STARTUP		YEARS AFTER STARTUP							
	1950-50		1951-55	1956-60	1961-65	1966-70				1971-75
COLON & RECTUM										
STUDY	OBS	0	4	0	3	2	1	2	2	2
SMR		0.00	1.44	0.00	1.19	0.90	0.48	0.90	1.05	1.05
CNTRL	OBS	2	7	9	4	3	12	7	6	6
SMR		1.23	0.89	1.29	0.65	0.53	2.15	1.16	1.13	1.13
LIVER (PRIMARY)										
STUDY	OBS	0	2	2	1	0	0	0	0	0
SMR		0.00	2.52	2.90	1.63	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	2	5	1	0	1	0	1	1
SMR		0.00	0.88	2.71	0.61	0.00	0.74	0.00	0.59	0.59
TRACHEA, BRONCHUS, LUNG										
STUDY	OBS	0	2	1	4	1	2	1	1	1
SMR		0.00	1.14	0.43	1.47	0.35	0.72	0.34	0.41	0.41
CNTRL	OBS	0	2	2	4	4	9	8	6	6
SMR		0.00	0.41	0.35	0.59	0.54	1.21	1.02	0.87	0.87
BREAST (FEMALE)										
STUDY	OBS	0	3	6	3	3	7	2	2	2
SMR		0.00	0.71	1.32	0.65	0.70	1.69	0.44	0.44	0.44
CNTRL	OBS	1	13	10	18	9	14	8	12	12
SMR		0.42	1.10	0.87	1.60	0.86	1.31	0.66	0.96	0.96
THYROID										
STUDY	OBS	0	0	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	2	0	2	1	0	0	0
SMR		0.00	0.00	6.73	0.00	8.54	4.82	0.00	0.00	0.00
BONES & JOINTS										
STUDY	OBS	0	0	1	2	2	3	0	1	1
SMR		0.00	0.00	1.84	4.08	4.25	5.68	0.00	2.07	2.07
CNTRL	OBS	1	3	2	0	1	2	1	2	2
SMR		2.82	1.76	1.35	0.00	0.80	1.40	0.64	1.50	1.50
BLADDER										
STUDY	OBS	0	0	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	1	1	1	0	0
SMR		0.00	0.00	0.00	0.00	3.66	4.26	4.38	0.00	0.00
BRAIN & OTHER C.N.S.										
STUDY	OBS	0	4	3	1	3	1	6	4	4
SMR		0.00	1.91	1.23	0.40	1.36	0.40	2.36	1.84	1.84
CNTRL	OBS	0	10	5	5	7	7	5	4	4
SMR		0.00	1.69	0.85	0.85	1.30	1.08	0.75	0.68	0.68
BENIGN & UNSPEC NEOPLASMS										
STUDY	OBS	0	0	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	1	4	4	0	0
SMR		0.00	0.00	0.00	0.00	1.59	1.25	1.85	0.00	0.00



Savannah River (1950)  
Aiken, SC ; Barnwell, SC ; Burke, GA

Age at death: 40 to 59

YEARS BEFORE STARTUP		YEARS AFTER STARTUP						
1950-50		1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY	OBS	3						5
	SMR	2.88	8	7	11	8	8	0.74
CNTRL	OBS	4	1.21	0.98	1.43	1.01	0.95	10
	SMR	1.42	14	21	13	18	19	0.60
<b>ALL CANCER, EXCL LEUK</b>								
STUDY	OBS	30	0.84	1.21	0.71	0.96	0.96	263
	SMR	0.89	178	229	228	247	307	1.13
CNTRL	OBS	88	0.89	1.03	0.91	0.90	1.05	581
	SMR	0.98	483	504	611	699	705	0.98
<b>HODGKIN'S DISEASE</b>								
STUDY	OBS	0	0.95	0.91	0.99	1.04	0.99	1
	SMR	0.00	2	2	2	3	1	0.90
CNTRL	OBS	2	0.79	0.70	0.67	1.19	0.57	1
	SMR	1.86	0	8	9	4	2	0.36
<b>OTHER LYMPHOMA</b>								
STUDY	OBS	1	0.00	1.18	1.29	0.68	0.48	8
	SMR	1.47	8	2	5	5	10	1.21
CNTRL	OBS	1	1.59	0.33	0.70	0.65	1.26	16
	SMR	0.54	12	18	13	15	22	1.00
<b>MULTIPLE MYELOMA</b>								
STUDY	OBS	0	0.96	1.25	0.78	0.84	1.20	5
	SMR	0.00	1	4	3	4	5	1.51
CNTRL	OBS	1	0.38	1.33	0.94	1.07	1.21	9
	SMR	1.16	10	7	9	12	14	1.03
<b>DIGESTIVE ORGANS</b>								
STUDY	OBS	7	1.48	0.91	1.11	1.27	1.34	45
	SMR	0.63	58	52	60	31	59	0.87
CNTRL	OBS	24	0.97	0.84	0.93	0.47	0.88	111
	SMR	0.82	137	129	146	157	155	0.84
<b>STOMACH</b>								
STUDY	OBS	4	0.90	0.83	0.91	0.96	0.94	5
	SMR	1.21	17	12	8	8	8	0.73
CNTRL	OBS	7	1.19	0.95	0.70	0.78	0.86	12
	SMR	0.82	45	42	38	28	24	0.67
	SMR		1.23	1.31	1.31	1.08	1.02	

Age at death: 40 to 59

Savannah River (1950)  
Aiken, SC ; Barnwell, SC ; Burke, GA

YEARS BEFORE STARTUP		YEARS AFTER STARTUP						
1950-50		1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM	STUDY OBS	2	18	13	21	11	21	23
	SMR	0.52	0.83	0.56	0.84	0.41	0.77	1.10
	CNTRL OBS	7	38	32	35	47	52	43
LIVER (PRIMARY)	SMR	0.68	0.69	0.56	0.58	0.74	0.80	0.82
	STUDY OBS	0	5	9	6	4	4	2
	SMR	0.00	0.70	1.32	1.03	0.98	1.00	0.60
TRACHEA, BRONCHUS, LUNG	CNTRL OBS	3	19	14	22	10	7	7
	SMR	0.79	1.04	0.81	1.48	0.96	0.68	0.78
	STUDY OBS	1	25	47	56	94	119	93
BREAST (FEMALE)	SMR	0.26	0.81	1.12	0.97	1.25	1.35	1.27
	CNTRL OBS	5	78	89	129	203	210	198
	SMR	0.48	1.01	0.86	0.92	1.12	0.99	1.08
THYROID	STUDY OBS	2	19	29	23	34	32	35
	SMR	0.50	0.74	1.00	0.69	0.95	0.85	1.16
	CNTRL OBS	7	48	46	83	82	84	74
BONES & JOINTS	SMR	0.65	0.73	0.63	1.02	0.94	0.92	0.99
	STUDY OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BLADDER	CNTRL OBS	1	2	1	0	2	1	0
	SMR	2.72	1.09	0.56	0.00	1.33	0.67	0.00
	STUDY OBS	1	1	1	1	0	0	1
BRAIN & OTHER C.N.S.	SMR	3.63	0.76	0.86	0.92	0.00	0.00	2.12
	CNTRL OBS	4	2	3	4	2	0	1
	SMR	5.45	0.60	1.04	1.50	0.73	0.00	0.83
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	1	6	2	2	1	2
	SMR	0.00	0.28	1.69	0.57	0.59	0.31	0.90
	CNTRL OBS	1	8	7	5	2	10	3
BRAIN & OTHER C.N.S.	SMR	0.54	0.88	0.78	0.58	0.24	1.33	0.55
	STUDY OBS	1	2	8	11	9	5	9
	SMR	1.26	0.34	1.17	1.45	0.96	0.55	1.28
BENIGN & UNSPEC NEOPLASMS	CNTRL OBS	6	8	21	22	22	16	15
	SMR	2.73	0.56	1.30	1.26	1.02	0.76	0.90
	STUDY OBS	0	0	0	0	5	1	0
BENIGN & UNSPEC NEOPLASMS	SMR	0.00	0.00	0.00	0.00	1.18	0.36	0.00
	CNTRL OBS	0	0	0	0	14	2	2
	SMR	0.00	0.00	0.00	0.00	1.34	0.29	1.01

Savannah River (1950)  
Aiken, SC ; Barnwell, SC ; Burke, GA

Age at death: 60 plus

YEARS BEFORE STARTUP		YEARS AFTER STARTUP							
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	0	8	9	10	18	25	20	25
	SMR	0.00	0.94	0.79	0.69	1.01	1.18	0.77	1.00
CNTRL	OBS	7	18	29	23	43	67	54	62
	SMR	1.74	0.79	0.97	0.62	0.97	1.28	0.84	1.00
ALL CANCER, EXCL LEUK									
STUDY	OBS	42	257	317	339	454	558	710	711
	SMR	0.72	0.82	0.88	0.80	0.89	0.90	0.91	0.94
CNTRL	OBS	121	606	670	828	1011	1317	1722	1750
	SMR	0.81	0.75	0.71	0.76	0.80	0.85	0.88	0.93
HODGKIN'S DISEASE									
STUDY	OBS	0	3	2	1	2	5	0	1
	SMR	0.00	1.76	0.99	0.43	0.75	1.84	0.00	0.53
CNTRL	OBS	1	5	3	11	6	5	7	5
	SMR	1.21	1.11	0.56	1.85	0.92	0.75	1.20	1.08
OTHER LYMPHOMA									
STUDY	OBS	0	0	6	4	7	17	11	17
	SMR	0.00	0.00	0.89	0.44	0.58	1.11	0.54	0.80
CNTRL	OBS	0	4	14	20	24	43	43	44
	SMR	0.00	0.32	0.79	0.87	0.81	1.14	0.87	0.85
MULTIPLE MYELOMA									
STUDY	OBS	1	1	4	4	11	11	13	17
	SMR	2.38	0.40	0.95	0.69	1.35	0.96	0.84	1.10
CNTRL	OBS	0	4	7	12	24	22	46	54
	SMR	0.00	0.61	0.64	0.81	1.18	0.76	1.16	1.36
DIGESTIVE ORGANS									
STUDY	OBS	16	84	109	95	136	148	193	193
	SMR	0.62	0.61	0.73	0.57	0.74	0.72	0.80	0.87
CNTRL	OBS	54	232	242	301	334	381	441	479
	SMR	0.82	0.65	0.62	0.70	0.73	0.74	0.73	0.86
STOMACH									
STUDY	OBS	1	29	31	19	21	19	23	23
	SMR	0.12	0.66	0.76	0.48	0.58	0.55	0.64	0.75
CNTRL	OBS	20	76	72	62	76	53	77	82
	SMR	0.93	0.68	0.68	0.62	0.84	0.60	0.84	1.05

Age at death: 60 plus

Savannah River (1950)  
Aiken, SC ; Barnwell, SC ; Burke, GA

YEARS BEFORE STARTUP		YEARS AFTER STARTUP					1981-84	
1950-50		1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM	STUDY OBS	9	33	31	50	66	74	84
	SMR	0.97	0.57	0.46	0.63	0.70	0.65	0.81
	CNTRL OBS	19	80	105	114	160	177	197
LIVER (PRIMARY)	STUDY OBS	0.79	0.53	0.60	0.57	0.68	0.63	0.76
	SMR							
	CNTRL OBS	3	14	15	19	8	18	10
TRACHEA, BRONCHUS, LUNG	STUDY OBS	0.95	0.81	0.83	1.22	0.72	1.41	0.82
	SMR							
	CNTRL OBS	6	34	28	22	25	22	24
BREAST (FEMALE)	STUDY OBS	0.74	0.75	0.60	0.57	0.89	0.68	0.77
	SMR							
	CNTRL OBS	1	36	61	91	142	197	217
THYROID	STUDY OBS	0.21	0.86	0.98	1.00	1.09	1.05	1.10
	SMR							
	CNTRL OBS	14	80	113	188	270	437	486
BONES & JOINTS	STUDY OBS	1.10	0.73	0.72	0.85	0.84	0.95	1.00
	SMR							
	CNTRL OBS	1	20	18	33	36	41	38
BLADDER	STUDY OBS	0.24	0.76	0.57	0.87	0.77	0.71	0.68
	SMR							
	CNTRL OBS	6	38	57	62	93	117	103
BRAIN & OTHER C.N.S.	STUDY OBS	0.56	0.55	0.71	0.65	0.79	0.80	0.73
	SMR							
	CNTRL OBS	1	0	0	3	0	2	0
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	0.00	0.00	1.66	0.00	0.95	0.00
	SMR							
	CNTRL OBS	0	2	1	5	3	5	3
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	0.48	0.23	1.10	0.60	0.94	0.68
	SMR							
	CNTRL OBS	0	3	1	3	5	1	0
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	1.39	0.49	1.36	2.12	0.48	0.00
	SMR							
	CNTRL OBS	0	6	4	4	8	3	1
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	1.06	0.76	0.73	1.36	0.57	0.35
	SMR							
	CNTRL OBS	0	10	12	18	14	33	19
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	0.82	0.86	1.10	0.74	1.50	0.99
	SMR							
	CNTRL OBS	3	11	18	21	33	50	34
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.56	0.34	0.50	0.51	0.70	0.92	0.72
	SMR							
	CNTRL OBS	0	2	5	5	6	15	12
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	0.73	1.29	0.86	0.60	1.09	0.91
	SMR							
	CNTRL OBS	1	7	6	9	26	36	29
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	1.08	0.97	0.62	0.64	1.07	1.08	0.90
	SMR							
	CNTRL OBS	0	0	0	0	6	7	4
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	0.00	0.00	0.00	0.81	1.02	1.40
	SMR							
	CNTRL OBS	0	0	0	3	21	12	7
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	0.00	0.00	0.89	1.13	0.69	0.95
	SMR							
	CNTRL OBS	0	0	0	0	7	12	7

Age at death: all

Savannah River (1950)  
Aiken, SC ; Barnwell, SC ; Burke, GA

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP					1976-80	1981-84
	1950-50					1951-55	1956-60	1961-65	1966-70	1971-75		
LEUKEMIA & ALEUKEMIA												
STUDY OBS	4					18	33	26	37	44	35	38
SMR	0.94					0.76	1.14	0.79	1.04	1.16	0.82	1.00
CNTRL OBS	17					52	62	65	78	107	91	92
SMR	1.41					0.81	0.84	0.80	0.90	1.13	0.86	0.96
ALL CANCER, EXCL LEUK												
STUDY OBS	74					473	548	621	724	838	1047	1005
SMR	0.74					0.88	0.91	0.90	0.91	0.90	0.94	0.99
CNTRL OBS	230					1222	1268	1438	1720	2129	2527	2421
SMR	0.88					0.87	0.81	0.82	0.87	0.92	0.92	0.94
HODGKIN'S DISEASE												
STUDY OBS	0					6	7	5	5	10	3	2
SMR	0.00					0.91	0.92	0.59	0.57	1.28	0.48	0.44
CNTRL OBS	4					11	11	26	20	16	17	11
SMR	1.16					0.61	0.57	1.26	0.95	0.84	1.10	0.95
OTHER LYMPHOMA												
STUDY OBS	1					5	16	9	15	23	24	28
SMR	0.51					0.45	1.07	0.49	0.67	0.89	0.77	0.93
CNTRL OBS	2					14	33	44	48	71	76	67
SMR	0.36					0.46	0.86	0.97	0.89	1.13	1.01	0.90
MULTIPLE MYELOMA												
STUDY OBS	1					4	5	8	14	15	18	23
SMR	1.28					0.88	0.71	0.89	1.22	0.98	0.91	1.21
CNTRL OBS	1					8	18	19	33	35	62	66
SMR	0.49					0.67	0.99	0.83	1.14	0.90	1.23	1.35
DIGESTIVE ORGANS												
STUDY OBS	23					156	171	157	202	182	259	242
SMR	0.60					0.77	0.79	0.67	0.80	0.66	0.82	0.87
CNTRL OBS	83					419	406	441	497	556	609	601
SMR	0.83					0.79	0.73	0.74	0.79	0.81	0.77	0.85
STOMACH												
STUDY OBS	5					53	49	35	30	27	32	29
SMR	0.41					0.85	0.86	0.66	0.62	0.59	0.69	0.76
CNTRL OBS	29					145	124	109	119	85	102	95
SMR	0.94					0.91	0.84	0.80	0.97	0.73	0.87	0.97

Age at death: all

Savannah River (1950)  
Aiken, SC ; Barnwell, SC ; Burke, GA

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84	
COLON & RECTUM									
STUDY OBS	11	46	51	47	74	78	98	110	
SMR	0.80	0.62	0.62	0.50	0.69	0.64	0.68	0.87	
CNTRL OBS	28	121	129	141	155	220	236	246	
SMR	0.78	0.62	0.60	0.59	0.58	0.72	0.67	0.78	
LIVER (PRIMARY)									
STUDY OBS	3	23	21	25	26	13	23	12	
SMR	0.62	0.91	0.83	0.97	1.18	0.82	1.31	0.74	
CNTRL OBS	9	53	58	43	46	36	29	32	
SMR	0.72	0.81	0.88	0.65	0.83	0.89	0.65	0.76	
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	2	39	62	112	148	238	317	311	
SMR	0.22	0.75	0.82	1.05	0.98	1.14	1.14	1.14	
CNTRL OBS	19	109	160	206	321	482	655	690	
SMR	0.79	0.80	0.83	0.77	0.87	0.95	0.96	1.02	
BREAST (FEMALE)									
STUDY OBS	3	40	45	50	59	77	75	75	
SMR	0.34	0.82	0.80	0.77	0.78	0.89	0.75	0.83	
CNTRL OBS	14	99	96	121	154	189	209	190	
SMR	0.59	0.77	0.66	0.73	0.82	0.88	0.84	0.83	
THYROID									
STUDY OBS	0	4	0	0	3	0	2	0	
SMR	0.00	1.77	0.00	0.00	1.15	0.00	0.71	0.00	
CNTRL OBS	1	4	6	2	7	6	6	3	
SMR	0.90	0.68	0.94	0.31	1.07	0.89	0.86	0.53	
BONES & JOINTS									
STUDY OBS	1	7	7	7	8	8	1	4	
SMR	0.99	1.32	1.36	1.44	1.62	1.59	0.22	1.49	
CNTRL OBS	5	20	15	8	12	12	6	6	
SMR	1.80	1.41	1.12	0.65	0.98	0.95	0.53	0.87	
BLADDER									
STUDY OBS	0	9	11	18	20	16	34	21	
SMR	0.00	0.60	0.69	1.01	1.00	0.71	1.35	0.97	
CNTRL OBS	4	38	19	26	27	37	61	37	
SMR	0.54	0.97	0.45	0.57	0.54	0.66	0.98	0.69	
BRAIN & OTHER C.N.S.									
STUDY OBS	1	15	8	18	20	16	27	26	
SMR	0.48	1.28	0.54	1.05	1.07	0.65	0.98	1.08	
CNTRL OBS	7	29	27	40	46	59	63	51	
SMR	1.17	0.91	0.73	0.97	1.04	0.99	0.94	0.86	
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0	0	1	12	8	4	
SMR	0.00	0.00	0.00	0.00	0.37	0.86	0.72	1.00	
CNTRL OBS	0	0	0	0	5	41	20	9	
SMR	0.00	0.00	0.00	0.00	0.73	1.16	0.71	0.86	



Age at death: under 10

Fernald (1951)  
Butler, OH ; Hamilton, OH

	YEARS BEFORE STARTUP		YEARS AFTER STARTUP		1962-66		1967-71		1972-76		1977-81		1982-84	
	1950-51		1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84					
<b>LEUKEMIA &amp; ALEUKEMIA</b>														
STUDY OBS	16		48	44	45	40	22	15	4					
SMR	1.11		1.15	0.90	0.99	1.10	0.91	0.96	0.52					
CNTRL OBS	12		35	53	56	57	31	19	4					
SMR	0.81		0.79	0.99	1.08	1.30	1.00	0.92	0.40					
<b>ALL CANCER, EXCL LEUK</b>														
STUDY OBS	15		58	47	49	35	31	22	16					
SMR	0.96		1.29	0.91	1.04	0.90	1.08	0.97	1.23					
CNTRL OBS	22		61	51	53	41	37	27	10					
SMR	1.39		1.29	0.91	0.99	0.89	1.02	0.92	0.59					
<b>HODGKIN'S DISEASE</b>														
STUDY OBS	0		2	1	0	0	0	0	0					
SMR	0.00		2.30	1.28	0.00	0.00	0.00	0.00	0.00					
CNTRL OBS	1		0	0	0	0	0	0	0					
SMR	3.04		0.00	0.00	0.00	0.00	0.00	0.00	0.00					
<b>OTHER LYMPHOMA</b>														
STUDY OBS	1		12	9	8	8	3	2	0					
SMR	0.48		1.93	1.23	1.26	1.68	0.93	0.89	0.00					
CNTRL OBS	1		14	10	6	8	6	0	1					
SMR	0.46		2.13	1.26	0.83	1.40	1.46	0.00	0.67					
<b>MULTIPLE MYELOMA</b>														
STUDY OBS	0		0	0	0	0	0	0	0					
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00					
CNTRL OBS	0		0	0	0	0	0	0	0					
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00					
<b>DIGESTIVE ORGANS</b>														
STUDY OBS	0		1	2	3	0	2	2	1					
SMR	0.00		0.38	0.74	1.30	0.00	1.44	1.64	1.23					
CNTRL OBS	1		8	1	4	2	1	3	1					
SMR	1.04		2.95	0.34	1.54	0.95	0.57	1.92	0.96					
<b>STOMACH</b>														
STUDY OBS	0		0	0	0	0	0	0	0					
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00					
CNTRL OBS	0		0	0	0	0	0	0	0					
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00					

Fernald (1951)  
Butler, OH ; Hamilton, OH

	YEARS BEFORE STARTUP		YEARS AFTER STARTUP						
	1950-51		1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM									
STUDY OBS	0		1	1	0	0	0	0	1
SMR	0.00		2.66	3.15	0.00	0.00	0.00	0.00	11.85
CNTRL OBS	0		1	0	0	0	0	1	0
SMR	0.00		2.60	0.00	0.00	0.00	0.00	7.92	0.00
LIVER (PRIMARY)									
STUDY OBS	0		0	0	2	0	0	1	0
SMR	0.00		0.00	0.00	1.36	0.00	0.00	1.09	0.00
CNTRL OBS	1		4	1	3	0	1	2	1
SMR	2.14		2.96	0.59	1.79	0.00	0.76	1.68	1.28
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	0		2	2	0	0	0	0	0
SMR	0.00		4.77	4.82	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	1		1	0	0	1	1	0	0
SMR	6.64		2.27	0.00	0.00	2.51	2.99	0.00	0.00
BREAST (FEMALE)									
STUDY OBS	0		1	0	0	0	0	0	0
SMR	0.00		12.60	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0		0	0	0	0	0	0	0
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID									
STUDY OBS	0		0	0	0	0	0	0	0
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0		0	0	0	0	0	0	0
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS									
STUDY OBS	0		0	0	1	0	3	0	0
SMR	0.00		0.00	0.00	0.62	0.00	3.07	0.00	0.00
CNTRL OBS	1		1	3	1	4	1	1	1
SMR	1.68		0.57	1.57	0.55	2.37	0.80	1.04	2.15
BLADDER									
STUDY OBS	0		1	1	1	0	0	0	0
SMR	0.00		3.20	3.56	4.09	0.00	0.00	0.00	0.00
CNTRL OBS	0		0	1	1	0	0	0	0
SMR	0.00		0.00	3.26	3.63	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.									
STUDY OBS	10		29	19	19	15	14	5	8
SMR	1.68		1.64	0.88	0.97	1.01	1.34	0.63	1.78
CNTRL OBS	9		21	22	29	12	10	8	3
SMR	1.48		1.13	0.94	1.30	0.68	0.76	0.77	0.51
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0		0	0	0	3	2	0	0
SMR	0.00		0.00	0.00	0.00	1.30	0.44	0.00	0.00
CNTRL OBS	0		0	0	0	5	7	2	1
SMR	0.00		0.00	0.00	0.00	1.80	1.24	0.67	1.30

Table 2-A.7

Age at death: 10 to 19

Fernald (1951)  
Butler, OH ; Hamilton, OH

YEARS BEFORE STARTUP		YEARS AFTER STARTUP					YEARS BEFORE STARTUP	
1950-51		1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
LEUKEMIA & ALEUKEMIA								
STUDY OBS	8	23	16	20	22	15	19	4
SMR	1.55	1.52	0.87	0.94	0.94	0.69	1.10	0.46
CNTRL OBS	2	13	19	16	19	19	15	14
SMR	0.39	0.81	0.93	0.65	0.68	0.71	0.69	1.27
ALL CANCER, EXCL LEUK								
STUDY OBS	10	34	40	33	44	37	28	17
SMR	0.97	1.14	1.13	0.80	0.98	0.92	0.88	1.06
CNTRL OBS	7	30	37	42	58	57	45	21
SMR	0.69	0.97	0.95	0.88	1.08	1.15	1.13	1.04
HODGKIN'S DISEASE								
STUDY OBS	2	2	3	1	6	2	0	0
SMR	1.84	0.63	0.77	0.22	1.42	0.69	0.00	0.00
CNTRL OBS	1	6	4	4	6	3	6	2
SMR	0.93	1.81	0.92	0.75	1.17	0.82	2.31	1.47
OTHER LYMPHOMA								
STUDY OBS	1	5	7	5	8	8	4	2
SMR	0.76	1.24	1.34	0.80	1.20	1.38	0.90	0.91
CNTRL OBS	1	6	4	5	8	7	6	0
SMR	0.77	1.42	0.69	0.69	1.00	0.98	1.07	0.00
MULTIPLE MYELOMA								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	1
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.30
DIGESTIVE ORGANS								
STUDY OBS	1	1	3	2	3	0	2	1
SMR	1.40	0.55	1.69	1.03	1.48	0.00	1.18	1.19
CNTRL OBS	2	2	0	3	4	1	1	0
SMR	2.87	1.07	0.00	1.38	1.70	0.42	0.49	0.00
STOMACH								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	0.00	6.90	0.00	0.00

Age at death: 10 to 19

Fernald (1951)  
Butler, OH ; Hamilton, OH

	YEARS BEFORE STARTUP		YEARS AFTER STARTUP				Fernald (1951) Butler, OH ; Hamilton, OH		
	1950-51		1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM									
STUDY OBS	0		1	1	0	1	0	1	0
SMR	0.00		1.22	1.50	0.00	1.43	0.00	1.64	0.00
CNTRL OBS	1		1	0	1	1	0	0	0
SMR	2.90		1.19	0.00	1.32	1.28	0.00	0.00	0.00
LIVER (PRIMARY)									
STUDY OBS	0		0	2	0	2	0	0	0
SMR	0.00		0.00	3.39	0.00	2.51	0.00	0.00	0.00
CNTRL OBS	1		1	0	0	0	0	1	0
SMR	7.02		2.12	0.00	0.00	0.00	0.00	1.11	0.00
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	1		0	0	0	1	0	0	0
SMR	5.30		0.00	0.00	0.00	2.16	0.00	0.00	0.00
CNTRL OBS	0		0	2	0	1	0	0	0
SMR	0.00		0.00	4.86	0.00	1.79	0.00	0.00	0.00
BREAST (FEMALE)									
STUDY OBS	0		0	0	0	0	0	0	0
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0		0	0	0	0	1	0	0
SMR	0.00		0.00	0.00	0.00	0.00	10.65	0.00	0.00
THYROID									
STUDY OBS	0		0	0	0	0	0	0	0
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0		0	0	0	0	0	0	0
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS									
STUDY OBS	1		8	9	4	10	8	5	2
SMR	0.51		1.43	1.39	0.54	1.20	1.07	0.89	0.72
CNTRL OBS	2		3	8	6	14	14	7	2
SMR	1.03		0.51	1.12	0.70	1.39	1.51	0.99	0.56
BLADDER									
STUDY OBS	0		0	0	0	0	0	0	0
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0		0	0	0	0	0	0	0
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.									
STUDY OBS	3		12	11	11	7	9	6	5
SMR	1.21		1.65	1.22	1.08	0.65	0.86	0.75	1.27
CNTRL OBS	1		10	13	16	6	11	14	5
SMR	0.41		1.31	1.30	1.36	0.47	0.86	1.39	0.99
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0		0	0	0	0	1	1	0
SMR	0.00		0.00	0.00	0.00	0.00	0.26	0.59	0.00
CNTRL OBS	0		0	0	0	0	5	2	0
SMR	0.00		0.00	0.00	0.00	0.00	1.06	0.96	0.00

Table 2-A.7

Age at death: 20 to 39		Fernald (1951) Butler, OH ; Hamilton, OH						
YEARS BEFORE STARTUP		YEARS AFTER STARTUP						
1950-51		1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
LEUKEMIA & ALEUKEMIA								
STUDY	OBS	24	39	31	22	25	33	19
SMR		0.77	1.23	1.01	0.74	0.83	1.05	0.97
CNTRL	OBS	28	41	30	37	54	41	27
SMR		0.85	1.16	0.82	0.97	1.32	0.94	0.98
ALL CANCER, EXCL LEUK								
STUDY	OBS	309	353	316	303	265	262	152
SMR		1.06	1.20	1.12	1.17	1.12	1.12	1.04
CNTRL	OBS	345	327	347	315	307	320	200
SMR		1.16	1.03	1.07	0.99	0.98	1.01	0.99
HODGKIN'S DISEASE								
STUDY	OBS	32	23	23	27	22	15	10
SMR		1.34	0.91	0.89	1.12	1.13	0.99	1.20
CNTRL	OBS	30	32	28	33	24	26	11
SMR		1.17	1.11	0.89	1.05	0.89	1.22	0.92
OTHER LYMPHOMA								
STUDY	OBS	12	15	11	23	16	23	6
SMR		0.83	0.97	0.69	1.51	1.08	1.47	0.58
CNTRL	OBS	28	17	14	16	19	21	12
SMR		1.82	0.98	0.74	0.83	0.95	0.97	0.83
MULTIPLE MYELOMA								
STUDY	OBS	1	2	0	0	1	1	1
SMR		0.77	1.44	0.00	0.00	0.98	0.93	1.46
CNTRL	OBS	1	0	0	2	2	1	1
SMR		0.77	0.00	0.00	1.52	1.58	0.71	1.10
DIGESTIVE ORGANS								
STUDY	OBS	49	59	48	26	22	41	28
SMR		0.90	1.15	1.05	0.65	0.61	1.17	1.29
CNTRL	OBS	52	69	70	40	42	53	32
SMR		0.94	1.25	1.35	0.83	0.91	1.14	1.09
STOMACH								
STUDY	OBS	9	10	3	4	5	4	3
SMR		0.71	0.88	0.32	0.54	0.79	0.67	0.80
CNTRL	OBS	11	10	9	4	9	9	5
SMR		0.87	0.83	0.87	0.46	1.14	1.16	1.01

Age at death: 20 to 39

Fernald (1951)  
Butler, OH ; Hamilton, OH

	YEARS BEFORE STARTUP		YEARS AFTER STARTUP				1967-71		1972-76	1977-81	1982-84
	1950-51		1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84		
<b>COLON &amp; RECTUM</b>											
STUDY OBS	12		28	28	29	12	10	18	14		
SMR	1.12		1.06	1.14	1.34	0.63	0.58	1.08	1.40		
CNTRL OBS	12		30	37	45	22	30	23	16		
SMR	1.14		1.11	1.39	1.81	0.95	1.34	1.03	1.16		
<b>LIVER (PRIMARY)</b>											
STUDY OBS	2		6	10	6	4	3	9	6		
SMR	0.82		1.01	1.86	1.25	0.97	0.82	2.24	2.20		
CNTRL OBS	2		2	7	5	7	0	6	2		
SMR	0.86		0.34	1.23	0.93	1.42	0.00	1.15	0.55		
<b>TRACHEA, BRONCHUS, LUNG</b>											
STUDY OBS	6		17	31	34	46	26	27	12		
SMR	0.99		1.00	1.47	1.43	1.88	1.14	1.25	0.92		
CNTRL OBS	8		29	28	34	43	28	27	16		
SMR	1.34		1.66	1.21	1.25	1.47	0.95	0.94	0.89		
<b>BREAST (FEMALE)</b>											
STUDY OBS	14		42	52	51	40	57	43	34		
SMR	0.90		1.05	1.26	1.29	1.10	1.66	1.20	1.41		
CNTRL OBS	16		38	37	53	47	44	39	27		
SMR	1.11		0.97	0.85	1.21	1.10	1.01	0.81	0.82		
<b>THYROID</b>											
STUDY OBS	1		2	0	1	2	1	2	0		
SMR	2.53		1.96	0.00	1.09	2.44	1.54	3.57	0.00		
CNTRL OBS	0		1	2	0	1	2	0	2		
SMR	0.00		0.97	1.82	0.00	0.99	2.32	0.00	3.99		
<b>BONES &amp; JOINTS</b>											
STUDY OBS	3		7	3	6	7	11	7	3		
SMR	1.29		1.24	0.58	1.27	1.50	2.22	1.37	0.98		
CNTRL OBS	3		6	4	4	7	8	9	2		
SMR	1.27		0.99	0.68	0.70	1.15	1.17	1.26	0.46		
<b>BLADDER</b>											
STUDY OBS	0		2	1	3	1	0	1	0		
SMR	0.00		1.21	0.75	2.69	1.13	0.00	1.48	0.00		
CNTRL OBS	0		4	0	0	2	2	2	1		
SMR	0.00		2.51	0.00	0.00	1.88	2.10	2.19	1.51		
<b>BRAIN &amp; OTHER C.N.S.</b>											
STUDY OBS	8		20	19	32	34	19	27	14		
SMR	0.87		0.84	0.77	1.37	1.54	0.84	1.23	1.04		
CNTRL OBS	13		25	27	36	28	33	30	27		
SMR	1.39		0.99	0.97	1.29	1.00	1.07	0.98	1.39		
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>											
STUDY OBS	0		0	0	0	5	9	2	0		
SMR	0.00		0.00	0.00	0.00	1.20	0.99	0.39	0.00		
CNTRL OBS	0		0	0	0	3	12	4	2		
SMR	0.00		0.00	0.00	0.00	0.58	1.00	0.57	1.13		



Table 2-A.7

Age at death: 40 to 59		Fernald (1951) Butler, OH ; Hamilton, OH								
YEARS BEFORE STARTUP		YEARS AFTER STARTUP								
1950-51		1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84		
LEUKEMIA & ALEUKEMIA	STUDY OBS	29	63	86	82	64	58	73	35	
	SMR	1.05	0.88	1.16	1.11	0.89	0.85	1.10	0.91	
	CNTRL OBS	22	75	74	75	87	88	82	62	
	SMR	0.89	1.14	1.04	1.00	1.11	1.12	1.04	1.33	
ALL CANCER, EXCL LEUK	STUDY OBS	860	2296	2472	2562	2868	2837	2738	1566	
	SMR	1.13	1.16	1.19	1.18	1.25	1.23	1.21	1.20	
	CNTRL OBS	706	1862	2063	2358	2683	2910	2924	1760	
	SMR	1.05	1.04	1.06	1.08	1.10	1.12	1.11	1.14	
HODGKIN'S DISEASE	STUDY OBS	12	21	25	26	33	21	15	4	
	SMR	1.13	0.76	0.86	0.89	1.19	1.02	1.12	0.61	
	CNTRL OBS	10	36	38	33	39	19	17	7	
	SMR	1.05	1.40	1.34	1.08	1.27	0.79	1.06	0.87	
OTHER LYMPHOMA	STUDY OBS	20	58	70	61	68	70	63	31	
	SMR	1.05	1.12	1.17	0.92	0.97	1.03	0.96	0.80	
	CNTRL OBS	15	52	45	67	98	86	76	53	
	SMR	0.88	1.09	0.78	0.98	1.27	1.10	0.97	1.11	
MULTIPLE MYELOMA	STUDY OBS	9	25	41	29	24	28	24	26	
	SMR	1.28	1.23	1.63	1.11	0.90	0.95	0.79	1.48	
	CNTRL OBS	5	25	19	20	30	35	30	27	
	SMR	0.81	1.37	0.82	0.79	1.09	1.09	0.88	1.34	
DIGESTIVE ORGANS	STUDY OBS	264	686	669	650	674	610	614	340	
	SMR	1.08	1.12	1.12	1.13	1.21	1.15	1.23	1.21	
	CNTRL OBS	255	524	546	603	598	601	610	339	
	SMR	1.19	0.95	0.98	1.06	1.02	1.02	1.07	1.03	
STOMACH	STUDY OBS	44	126	107	92	66	75	65	36	
	SMR	0.71	0.85	0.86	0.88	0.73	0.97	0.97	0.99	
	CNTRL OBS	34	105	93	77	72	61	70	39	
	SMR	0.62	0.79	0.81	0.76	0.77	0.72	0.93	0.92	

Age at death: 40 to 59

Fernald (1951)  
Butler, OH ; Hamilton, OH

	YEARS BEFORE STARTUP		YEARS AFTER STARTUP		1962-66	1967-71	1972-76	1977-81	1982-84
	1950-51	1952-56	1957-61						
COLON & RECTUM									
STUDY OBS	119	314	294		316	319	283	282	166
SMR	1.22	1.27	1.20		1.31	1.34	1.24	1.32	1.40
CNTRL OBS	121	219	266		280	272	286	282	158
SMR	1.40	0.97	1.15		1.16	1.07	1.11	1.13	1.12
LIVER (PRIMARY)									
STUDY OBS	40	88	91		71	35	24	32	26
SMR	1.30	1.17	1.34		1.19	0.79	0.78	1.10	1.50
CNTRL OBS	38	81	58		69	50	38	32	12
SMR	1.41	1.21	0.93		1.18	1.09	1.14	0.98	0.60
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	117	373	489		569	794	900	907	551
SMR	1.18	1.33	1.38		1.30	1.47	1.42	1.33	1.35
CNTRL OBS	96	271	397		532	746	904	1044	623
SMR	1.09	1.05	1.17		1.20	1.28	1.26	1.31	1.28
BREAST (FEMALE)									
STUDY OBS	116	307	335		347	416	405	370	192
SMR	1.15	1.15	1.16		1.12	1.27	1.25	1.21	1.10
CNTRL OBS	65	267	272		310	365	376	355	239
SMR	0.74	1.11	1.00		1.00	1.04	1.03	0.99	1.15
THYROID									
STUDY OBS	3	9	10		15	9	6	5	4
SMR	0.92	1.10	1.32		2.21	1.49	1.14	1.07	1.66
CNTRL OBS	1	6	7		12	6	6	2	5
SMR	0.35	0.81	0.99		1.79	0.94	1.01	0.37	1.73
BONES & JOINTS									
STUDY OBS	2	15	10		11	13	12	6	6
SMR	0.32	0.98	0.76		1.00	1.31	1.36	0.93	2.27
CNTRL OBS	7	19	15		12	12	8	11	3
SMR	1.26	1.37	1.21		1.09	1.13	0.81	1.46	0.94
BLADDER									
STUDY OBS	26	39	51		46	27	39	28	15
SMR	1.72	1.05	1.48		1.44	0.90	1.43	1.17	1.20
CNTRL OBS	15	37	27		31	38	29	39	14
SMR	1.13	1.10	0.85		0.99	1.21	0.95	1.40	0.93
BRAIN & OTHER C.N.S.									
STUDY OBS	26	85	67		77	80	85	80	34
SMR	1.03	1.28	0.91		1.02	1.01	1.02	1.07	0.82
CNTRL OBS	21	63	72		94	68	98	82	63
SMR	0.93	1.01	1.01		1.20	0.78	1.02	0.91	1.22
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0		0	11	38	12	3
SMR	0.00	0.00	0.00		0.00	0.73	1.17	0.68	0.75
CNTRL OBS	0	0	0		0	14	27	18	5
SMR	0.00	0.00	0.00		0.00	0.86	0.74	0.89	1.07

Table 2-A.7

Age at death: 60 plus	Fernald (1951)									
	Butler, OH ; Hamilton, OH									
	YEARS BEFORE STARTUP	YEARS AFTER STARTUP				1962-66	1967-71	1972-76	1977-81	1982-84
	1950-51	1952-56	1957-61							
<b>LEUKEMIA &amp; ALEUKEMIA</b>										
STUDY OBS	63	156	174			225	249	271	276	161
SMR	1.23	1.06	0.95			1.06	1.07	1.10	1.05	0.95
CNTRL OBS	58	135	208			237	240	295	289	197
SMR	1.20	0.97	1.19			1.16	1.06	1.22	1.07	1.10
<b>ALL CANCER, EXCL LEUK</b>										
STUDY OBS	1804	5101	5708			6230	6953	7690	8536	5582
SMR	1.11	1.16	1.16			1.15	1.17	1.18	1.18	1.19
CNTRL OBS	1513	4323	4825			5478	5953	6667	8240	5460
SMR	1.00	1.04	1.04			1.06	1.04	1.04	1.12	1.11
<b>HODGKIN'S DISEASE</b>										
STUDY OBS	7	32	21			26	32	34	15	14
SMR	0.69	1.15	0.67			0.78	0.94	1.15	0.66	1.12
CNTRL OBS	13	37	39			32	42	25	26	15
SMR	1.36	1.41	1.33			1.01	1.27	0.85	1.10	1.11
<b>OTHER LYMPHOMA</b>										
STUDY OBS	35	97	149			136	162	196	214	137
SMR	1.28	1.19	1.37			1.01	1.00	1.07	1.00	0.94
CNTRL OBS	23	88	121			131	135	149	207	171
SMR	0.90	1.15	1.19			1.02	0.86	0.82	0.94	1.09
<b>MULTIPLE MYELOMA</b>										
STUDY OBS	19	52	60			66	88	104	140	93
SMR	1.72	1.44	1.11			0.95	0.99	0.93	1.06	1.05
CNTRL OBS	10	32	42			70	90	131	144	84
SMR	0.97	0.95	0.84			1.07	1.06	1.22	1.09	0.93
<b>DIGESTIVE ORGANS</b>										
STUDY OBS	783	2175	2295			2393	2466	2670	2559	1659
SMR	1.08	1.13	1.13			1.14	1.16	1.24	1.15	1.20
CNTRL OBS	675	1870	2002			2044	2076	2130	2450	1544
SMR	0.99	1.03	1.05			1.03	1.02	1.02	1.09	1.07
<b>STOMACH</b>										
STUDY OBS	185	415	395			378	296	299	263	151
SMR	0.88	0.79	0.82			0.89	0.80	0.92	0.88	0.86
CNTRL OBS	141	433	356			301	287	237	251	154
SMR	0.71	0.87	0.78			0.75	0.82	0.76	0.85	0.86

Age at death: 60 plus

Fernald (1951)  
Butler, OH ; Hamilton, OH

	YEARS BEFORE STARTUP		YEARS AFTER STARTUP				1972-76	1977-81	1982-84
	1950-51		1952-56	1957-61	1962-66	1967-71			
COLON & RECTUM									
STUDY	OBS	358	1031	1160	1246	1322	1532	1408	894
	SMR	1.22	1.30	1.33	1.33	1.33	1.45	1.28	1.32
CNTRL	OBS	308	866	939	1008	1080	1136	1306	817
	SMR	1.12	1.16	1.14	1.12	1.12	1.10	1.17	1.15
LIVER (PRIMARY)									
STUDY	OBS	118	287	290	272	159	113	108	83
	SMR	1.30	1.22	1.21	1.23	1.00	1.06	1.00	1.19
CNTRL	OBS	120	259	262	249	127	111	116	79
	SMR	1.42	1.17	1.17	1.19	0.84	1.08	1.07	1.09
TRACHEA, BRONCHUS, LUNG									
STUDY	OBS	155	493	766	1034	1342	1799	2320	1630
	SMR	1.08	1.13	1.24	1.24	1.22	1.29	1.35	1.38
CNTRL	OBS	107	408	631	922	1228	1579	2198	1598
	SMR	0.79	0.99	1.08	1.16	1.15	1.14	1.23	1.26
BREAST (FEMALE)									
STUDY	OBS	166	473	481	500	574	585	753	419
	SMR	1.30	1.35	1.24	1.17	1.21	1.12	1.31	1.13
CNTRL	OBS	124	354	430	426	433	522	645	452
	SMR	1.07	1.11	1.20	1.06	0.95	1.02	1.10	1.15
THYROID									
STUDY	OBS	11	23	24	25	22	34	25	9
	SMR	1.43	1.10	1.07	1.13	1.02	1.59	1.24	0.77
CNTRL	OBS	5	22	18	24	27	22	29	6
	SMR	0.70	1.13	0.86	1.15	1.30	1.05	1.43	0.49
BONES & JOINTS									
STUDY	OBS	9	35	31	42	22	25	21	3
	SMR	0.70	1.08	1.07	1.60	0.84	1.02	1.16	0.40
CNTRL	OBS	15	33	22	27	23	30	17	7
	SMR	1.23	1.08	0.80	1.07	0.91	1.25	0.92	0.88
BLADDER									
STUDY	OBS	73	249	221	241	242	251	271	169
	SMR	1.17	1.49	1.21	1.25	1.19	1.18	1.26	1.31
CNTRL	OBS	47	171	169	200	201	220	269	143
	SMR	0.79	1.07	0.97	1.07	1.01	1.05	1.23	1.06
BRAIN & OTHER C.N.S.									
STUDY	OBS	17	53	67	76	112	109	137	89
	SMR	1.39	1.49	1.43	1.30	1.38	0.96	1.03	1.04
CNTRL	OBS	9	57	60	58	71	115	133	108
	SMR	0.79	1.73	1.38	1.04	0.89	1.01	0.95	1.15
BENIGN & UNSPEC NEOPLASMS									
STUDY	OBS	0	0	0	0	31	68	39	20
	SMR	0.00	0.00	0.00	0.00	1.03	0.91	0.72	1.18
CNTRL	OBS	0	0	0	0	29	78	44	19
	SMR	0.00	0.00	0.00	0.00	1.00	1.07	0.81	1.09

Table 2-A.7

Age at death: all	YEARS BEFORE STARTUP		YEARS AFTER STARTUP					Fernald (1951) Butler, OH ; Hamilton, OH		
	1950-51		1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84	
LEUKEMIA & ALEUKEMIA										
STUDY	OBS	124	314	359	403	397	391	416	223	
	SMR	1.12	1.02	1.01	1.05	1.01	1.00	1.05	0.91	
CNTRL	OBS	104	286	395	414	440	487	446	304	
	SMR	0.99	0.96	1.11	1.05	1.06	1.16	1.03	1.11	
ALL CANCER, EXCL LEUK										
STUDY	OBS	2819	7798	8620	9190	10203	10860	11586	7333	
	SMR	1.12	1.15	1.17	1.15	1.19	1.19	1.19	1.19	
CNTRL	OBS	2376	6621	7303	8278	9050	9978	11556	7451	
	SMR	1.02	1.05	1.04	1.07	1.05	1.06	1.12	1.11	
HODGKIN'S DISEASE										
STUDY	OBS	31	89	73	76	98	79	45	28	
	SMR	0.99	1.07	0.81	0.81	1.08	1.09	0.84	0.98	
CNTRL	OBS	41	109	113	97	120	71	75	35	
	SMR	1.37	1.33	1.23	0.97	1.19	0.84	1.17	1.00	
OTHER LYMPHOMA										
STUDY	OBS	72	184	250	221	269	293	306	176	
	SMR	1.30	1.17	1.28	0.96	1.04	1.07	1.02	0.89	
CNTRL	OBS	46	188	197	223	265	267	310	237	
	SMR	0.89	1.25	1.03	0.97	0.99	0.92	0.94	1.06	
MULTIPLE MYELOMA										
STUDY	OBS	30	78	103	95	112	133	165	120	
	SMR	1.61	1.35	1.28	0.98	0.96	0.94	1.01	1.13	
CNTRL	OBS	17	58	61	90	122	168	175	113	
	SMR	1.00	1.09	0.82	0.97	1.07	1.20	1.05	1.01	
DIGESTIVE ORGANS										
STUDY	OBS	1067	2912	3028	3096	3169	3304	3218	2029	
	SMR	1.07	1.12	1.13	1.14	1.16	1.21	1.17	1.20	
CNTRL	OBS	951	2456	2618	2724	2720	2775	3117	1916	
	SMR	1.03	1.01	1.04	1.04	1.01	1.02	1.09	1.06	
STOMACH										
STUDY	OBS	233	550	512	473	366	379	332	190	
	SMR	0.84	0.80	0.83	0.88	0.79	0.93	0.89	0.88	
CNTRL	OBS	176	549	459	387	363	308	330	198	
	SMR	0.68	0.85	0.79	0.75	0.80	0.76	0.87	0.87	



Age at death: all

Fernald (1951)  
Butler, OH ; Hamilton, OH

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76			1977-81
COLON & RECTUM									
	STUDY OBS	489	1375	1484	1591	1654	1825	1709	1075
	SMR	1.21	1.29	1.30	1.32	1.32	1.40	1.29	1.34
	CNTRL OBS	442	1117	1242	1334	1375	1452	1612	991
LIVER (PRIMARY)									
	SMR	1.19	1.12	1.15	1.14	1.11	1.10	1.16	1.15
	STUDY OBS	160	381	393	351	200	140	150	115
	SMR	1.29	1.20	1.25	1.22	0.96	0.98	1.05	1.26
TRACHEA, BRONCHUS, LUNG									
	CNTRL OBS	162	347	328	326	184	150	157	94
	SMR	1.42	1.18	1.11	1.18	0.90	1.05	1.06	0.97
	STUDY OBS	279	885	1288	1637	2183	2725	3254	2193
BREAST (FEMALE)									
	SMR	1.12	1.21	1.29	1.26	1.31	1.33	1.34	1.37
	CNTRL OBS	212	709	1058	1488	2019	2512	3269	2237
	SMR	0.92	1.03	1.12	1.17	1.20	1.18	1.25	1.26
THYROID									
	STUDY OBS	296	823	868	898	1030	1047	1166	645
	SMR	1.21	1.25	1.21	1.16	1.23	1.19	1.27	1.13
	CNTRL OBS	205	659	739	789	845	943	1039	718
BONES & JOINTS									
	SMR	0.94	1.10	1.10	1.05	1.00	1.02	1.05	1.13
	STUDY OBS	15	34	34	41	33	41	32	13
	SMR	1.31	1.12	1.09	1.37	1.16	1.50	1.26	0.90
BLADDER									
	CNTRL OBS	6	29	27	36	34	30	31	13
	SMR	0.58	1.04	0.92	1.25	1.20	1.08	1.16	0.83
	STUDY OBS	15	65	53	64	52	59	39	14
BRAIN & OTHER C.N.S.									
	SMR	0.62	1.07	0.95	1.25	1.03	1.26	1.08	0.86
	CNTRL OBS	28	62	52	50	60	61	45	15
	SMR	1.24	1.07	0.95	0.96	1.12	1.19	1.09	0.77
BENIGN & UNSPEC NEOPLASMS									
	STUDY OBS	99	291	274	291	270	290	300	184
	SMR	1.27	1.41	1.26	1.29	1.15	1.20	1.25	1.29
	CNTRL OBS	62	212	197	232	241	251	310	158
BENIGN & UNSPEC NEOPLASMS									
	SMR	0.85	1.09	0.95	1.06	1.04	1.04	1.26	1.05
	STUDY OBS	64	199	183	215	248	236	255	150
	SMR	1.17	1.32	1.04	1.15	1.19	0.98	1.04	1.00
BENIGN & UNSPEC NEOPLASMS									
	CNTRL OBS	53	176	194	233	185	267	267	206
	SMR	1.02	1.20	1.10	1.19	0.82	1.00	0.95	1.17
	STUDY OBS	0	0	0	0	50	118	54	23
BENIGN & UNSPEC NEOPLASMS									
	SMR	0.00	0.00	0.00	0.00	0.93	0.95	0.67	1.00
	CNTRL OBS	0	0	0	0	51	129	70	27
	SMR	0.00	0.00	0.00	0.00	0.92	0.98	0.81	1.09











Table 2-A.8

Age at death: 20 to 39

Portsmouth Gas. Diff. (1952)  
Pike, OH

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP			1963-67			1973-77			1978-82			1983-84		
	1950-52			1953-57	1958-62													
<b>LEUKEMIA &amp; ALEUKEMIA</b>																		
STUDY OBS	0			1	0		1	0		0		0	0			0		
SMR	0.00			2.08	0.00		2.04	0.00		0.00		0.00	0.00			0.00		
CNTRL OBS	0			1	1		0			0		0	2			1		
SMR	0.00			0.62	0.67		0.00			0.00		0.00	1.17			1.39		
<b>ALL CANCER, EXCL LEUK</b>																		
STUDY OBS	2			7	2		8			8		8	6			1		
SMR	0.87			1.64	0.43		1.84			2.05		2.01	1.37			0.50		
CNTRL OBS	11			14	13		11			8		11	20			9		
SMR	1.20			0.97	0.97		0.90			0.72		0.93	1.57			1.66		
<b>HODGKIN'S DISEASE</b>																		
STUDY OBS	0			0	0		0			2		1	0			0		
SMR	0.00			0.00	0.00		0.00			5.34		3.11	0.00			0.00		
CNTRL OBS	0			0	1		2			0		2	3			0		
SMR	0.00			0.00	0.80		1.65			0.00		2.07	3.62			0.00		
<b>OTHER LYMPHOMA</b>																		
STUDY OBS	0			1	0		0			1		0	1			0		
SMR	0.00			4.45	0.00		0.00			4.21		0.00	3.27			0.00		
CNTRL OBS	0			1	0		0			0		0	0			1		
SMR	0.00			1.32	0.00		0.00			0.00		0.00	0.00			2.57		
<b>MULTIPLE MYELOMA</b>																		
STUDY OBS	0			1	0		0			0		0	0			0		
SMR	0.00			53.48	0.00		0.00			0.00		0.00	0.00			0.00		
CNTRL OBS	0			0	1		0			1		0	0			0		
SMR	0.00			0.00	17.36		0.00			23.23		0.00	0.00			0.00		
<b>DIGESTIVE ORGANS</b>																		
STUDY OBS	0			2	0		2			2		1	1			0		
SMR	0.00			2.57	0.00		2.97			3.47		1.76	1.64			0.00		
CNTRL OBS	2			2	3		3			2		1	3			0		
SMR	1.14			0.76	1.35		1.59			1.22		0.59	1.68			0.00		
<b>STOMACH</b>																		
STUDY OBS	0			0	0		0			0		0	0			0		
SMR	0.00			0.00	0.00		0.00			0.00		0.00	0.00			0.00		
CNTRL OBS	1			0	0		1			1		0	1			0		
SMR	2.48			0.00	0.00		2.84			3.53		0.00	3.54			0.00		





YEARS BEFORE STARTUP		YEARS AFTER STARTUP				Portsmouth Gas. Diff. (1952) Pike, OH		
1950-52		1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	3	0	2	2	2	3	0	1
SHR	5.20	0.00	1.81	1.77	1.79	2.60	0.00	1.85
CNTRL OBS	1	9	5	5	4	4	1	2
SHR	0.41	2.21	1.24	1.29	1.10	1.12	0.27	1.37
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	15	18	30	29	39	45	37	20
SHR	1.00	0.67	1.02	0.91	1.13	1.22	0.92	1.17
CNTRL OBS	57	92	92	119	120	119	149	48
SHR	0.89	0.85	0.85	1.07	1.06	1.02	1.26	1.03
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	1	0	0	2	0	0	0
SHR	0.00	2.40	0.00	0.00	4.70	0.00	0.00	0.00
CNTRL OBS	1	1	2	6	3	1	3	1
SHR	1.07	0.62	1.24	3.84	2.20	1.01	4.18	3.91
<b>OTHER LYMPHOMA</b>								
STUDY OBS	0	1	3	0	0	1	2	0
SHR	0.00	1.29	3.23	0.00	0.00	0.86	1.54	0.00
CNTRL OBS	3	4	5	3	1	2	1	2
SHR	1.78	1.31	1.48	0.82	0.27	0.55	0.26	1.30
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	0	2	0	0	1	0	0
SHR	0.00	0.00	5.94	0.00	0.00	2.30	0.00	0.00
CNTRL OBS	0	0	1	2	0	4	3	0
SHR	0.00	0.00	0.79	1.64	0.00	2.90	2.08	0.00
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	4	4	7	5	15	8	6	6
SHR	0.83	0.49	0.86	0.62	1.86	0.99	0.71	1.71
CNTRL OBS	16	29	31	22	35	27	25	9
SHR	0.78	0.89	1.03	0.77	1.31	1.06	1.01	0.93
<b>STOMACH</b>								
STUDY OBS	3	1	1	0	5	1	1	0
SHR	2.53	0.55	0.64	0.00	4.18	0.91	0.93	0.00
CNTRL OBS	3	3	2	4	7	3	4	0
SHR	0.60	0.41	0.34	0.85	1.76	0.87	1.26	0.00

Portsmouth Gas. Diff. (1952)  
Piko, OH

Age at death: 40 to 59

		YEARS AFTER STARTUP									
		1950-52		1953-57	1958-62	1963-67	1968-72	1973-77	1978-82		
COLON & RECTUM	STUDY	OBS	0	0	4	4	4	4	2	2	3
	SMR	0.00	0.00	1.14	1.11	1.09	1.09	0.53	0.52	1.89	
	CNTRL	OBS	6	17	18	6	15	11	10	6	
	SMR	0.71	1.24	1.38	0.48	1.24	0.93	0.88	1.38		
LIVER (PRIMARY)	STUDY	OBS	0	2	0	1	0	1	0	1	
	SMR	0.00	2.11	0.00	1.28	0.00	2.34	0.00	5.01		
	CNTRL	OBS	3	7	4	2	0	1	0		
	SMR	1.18	1.83	1.20	0.73	0.00	0.74	0.00	0.00		
TRACHEA, BRONCHUS, LUNG	STUDY	OBS	2	2	5	8	8	13	13	10	
	SMR	0.94	0.47	0.91	1.16	0.93	1.23	1.04	1.84		
	CNTRL	OBS	5	13	14	22	27	37	54		
	SMR	0.57	0.78	0.69	0.92	0.95	1.13	1.49	1.01		
BREAST (FEMALE)	STUDY	OBS	2	3	2	3	1	4	3	0	
	SMR	1.03	0.84	0.49	0.66	0.20	0.78	0.54	0.00		
	CNTRL	OBS	6	12	9	18	17	23	4		
	SMR	0.71	0.83	0.60	1.13	1.04	0.78	1.39	0.63		
THYROID	STUDY	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	CNTRL	OBS	0	0	0	0	1	0	0		
	SMR	0.00	0.00	0.00	0.00	3.49	0.00	0.00	0.00		
BONES & JOINTS	STUDY	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	CNTRL	OBS	0	0	0	1	0	0	1		
	SMR	0.00	0.00	0.00	1.83	0.00	0.00	0.00	10.29		
BLADDER	STUDY	OBS	0	0	1	0	1	1	0	0	
	SMR	0.00	0.00	2.18	0.00	2.26	2.28	0.00	0.00		
	CNTRL	OBS	1	2	2	3	1	3	1		
	SMR	0.78	1.02	1.16	1.91	0.68	1.46	2.41	2.13		
BRAIN & OTHER C.N.S.	STUDY	OBS	1	1	1	0	1	1	5	0	
	SMR	1.83	0.98	0.85	0.00	0.75	0.70	3.37	0.00		
	CNTRL	OBS	2	3	3	2	7	4	1		
	SMR	0.87	0.75	0.71	0.49	1.61	0.90	0.00	0.60		
BENIGN & UNSPEC NEOPLASMS	STUDY	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	2.15	0.00	0.00		
	CNTRL	OBS	0	0	0	0	2	1	0		
	SMR	0.00	0.00	0.00	0.00	1.87	0.68	1.42	0.00		

Age at death: 60 plus	Portsmouth Gas. Diff. (1952) Pike, OH									
	YEARS BEFORE STARTUP	YEARS AFTER STARTUP				1963-67	1968-72	1973-77	1978-82	1983-84
	1950-52	1953-57	1958-62							
LEUKEMIA & ALEUKEMIA										
STUDY OBS	0	6	1			2	3	9	7	2
SMR	0.00	2.06	0.28			0.45	0.58	1.55	1.05	0.71
CNTRL OBS	6	13	12			21	15	15	17	10
SMR	0.88	1.02	0.83			1.37	0.97	0.93	0.96	1.34
ALL CANCER, EXCL LEUK										
STUDY OBS	39	71	78			88	120	131	143	87
SMR	0.85	0.87	0.88			0.83	0.95	0.89	0.83	1.19
CNTRL OBS	170	296	302			317	335	409	435	192
SMR	0.80	0.82	0.83			0.86	0.88	0.98	0.93	0.97
HODGKIN'S DISEASE										
STUDY OBS	0	0	1			0	0	0	0	0
SMR	0.00	0.00	1.76			0.00	0.00	0.00	0.00	0.00
CNTRL OBS	1	2	4			9	1	2	0	0
SMR	0.76	0.89	1.74			3.94	0.46	1.11	0.00	0.00
OTHER LYMPHOMA										
STUDY OBS	0	1	1			4	3	7	5	2
SMR	0.00	0.63	0.49			1.44	0.84	1.62	0.91	0.83
CNTRL OBS	2	7	4			5	13	15	16	5
SMR	0.57	1.02	0.48			0.52	1.21	1.23	1.09	0.77
MULTIPLE MYELOMA										
STUDY OBS	0	0	0			2	1	4	1	3
SMR	0.00	0.00	0.00			1.48	0.54	1.68	0.34	2.36
CNTRL OBS	0	2	5			6	4	10	10	4
SMR	0.00	0.67	1.27			1.28	0.72	1.48	1.24	1.16
DIGESTIVE ORGANS										
STUDY OBS	16	39	37			34	45	39	38	25
SMR	0.78	1.11	1.02			0.85	1.03	0.83	0.74	1.17
CNTRL OBS	66	140	133			121	112	113	113	55
SMR	0.69	0.89	0.89			0.86	0.85	0.85	0.81	0.96
STOMACH										
STUDY OBS	8	11	9			4	10	4	4	1
SMR	1.32	1.16	1.08			0.51	1.38	0.59	0.61	0.39
CNTRL OBS	10	43	24			27	13	28	14	3
SMR	0.36	1.02	0.69			0.98	0.59	1.47	0.79	0.43

Age at death: 60 plus

Portsmouth Gas. Diff. (1952)  
Pike, OH

	YEARS BEFORE STARTUP		YEARS AFTER STARTUP				Portsmouth Gas. Diff. (1952)		1983-84
	1950-52		1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	
COLON & RECTUM									
STUDY OBS	3		17	11	16	26	20	16	12
SMR	0.36		1.17	0.70	0.87	1.23	0.85	0.62	1.12
CNTRL OBS	29		58	58	59	62	52	56	29
SMR	0.75		0.89	0.88	0.91	0.97	0.78	0.80	1.01
LIVER (PRIMARY)									
STUDY OBS	3		7	9	7	1	1	1	4
SMR	1.23		1.72	2.21	1.79	0.35	0.45	0.41	3.86
CNTRL OBS	18		18	18	13	5	6	3	2
SMR	1.57		0.98	1.06	0.94	0.58	0.95	0.45	0.71
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	2		6	7	13	25	22	37	26
SMR	0.46		0.65	0.56	0.71	0.96	0.64	0.85	1.35
CNTRL OBS	15		17	28	36	72	99	120	48
SMR	0.80		0.45	0.57	0.58	0.94	1.02	1.00	0.92
BREAST (FEMALE)									
STUDY OBS	2		4	2	3	11	6	5	3
SMR	0.70		0.78	0.35	0.43	1.29	0.59	0.41	0.58
CNTRL OBS	12		18	23	20	22	22	31	13
SMR	0.83		0.73	0.92	0.78	0.82	0.74	0.92	0.91
THYROID									
STUDY OBS	1		0	0	0	1	0	0	0
SMR	5.07		0.00	0.00	0.00	2.38	0.00	0.00	0.00
CNTRL OBS	1		2	3	0	0	1	0	2
SMR	1.06		1.25	1.94	0.00	0.00	0.80	0.00	4.22
BONES & JOINTS									
STUDY OBS	0		1	1	0	1	4	0	0
SMR	0.00		1.70	1.97	0.00	1.82	7.62	0.00	0.00
CNTRL OBS	1		4	1	3	1	3	0	1
SMR	0.58		1.54	0.48	1.68	0.60	2.02	0.00	3.10
BLADDER									
STUDY OBS	2		2	3	4	3	7	7	1
SMR	1.06		0.60	0.84	0.97	0.64	1.35	1.27	0.45
CNTRL OBS	3		7	7	11	13	11	12	6
SMR	0.35		0.48	0.48	0.77	0.93	0.77	0.83	1.03
BRAIN & OTHER C.N.S.									
STUDY OBS	0		1	0	1	0	3	4	1
SMR	0.00		1.49	0.00	0.84	0.00	1.12	1.22	0.72
CNTRL OBS	2		2	3	6	4	6	3	4
SMR	1.37		0.72	0.88	1.48	0.71	0.78	0.33	1.06
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0		0	0	0	0	0	1	0
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.99	0.00
CNTRL OBS	0		0	0	0	0	6	0	0
SMR	0.00		0.00	0.00	0.00	0.00	1.34	0.00	0.00

Age at death: all

Portsmouth Gas. Diff. (1952)  
Pike, OH

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77			1978-82
LEUKEMIA & ALEUKEMIA									
STUDY OBS	4	7	4	6	6	13	7	3	
SMR	1.32	1.21	0.60	0.81	0.77	1.56	0.76	0.77	
CNTRL OBS	9	26	23	31	22	19	21	13	
SMR	0.71	1.16	0.96	1.29	0.95	0.80	0.84	1.26	
ALL CANCER, EXCL LEUK									
STUDY OBS	56	100	110	126	169	184	188	109	
SMR	0.88	0.88	0.88	0.87	1.02	0.97	0.86	1.18	
CNTRL OBS	239	408	409	447	469	539	605	251	
SMR	0.83	0.84	0.83	0.90	0.92	0.98	1.01	1.00	
HODGKIN'S DISEASE									
STUDY OBS	0	1	1	0	4	1	0	0	
SMR	0.00	0.70	0.63	0.00	2.50	0.75	0.00	0.00	
CNTRL OBS	3	3	8	17	4	5	6	1	
SMR	0.93	0.55	1.46	3.17	0.83	1.28	1.92	0.86	
OTHER LYMPHOMA									
STUDY OBS	0	3	4	4	4	8	10	2	
SMR	0.00	1.06	1.14	0.92	0.77	1.35	1.38	0.63	
CNTRL OBS	5	13	9	8	15	17	17	9	
SMR	0.82	1.14	0.68	0.55	0.96	1.00	0.86	1.06	
MULTIPLE MYELOMA									
STUDY OBS	0	1	2	2	1	5	1	3	
SMR	0.00	1.00	1.52	1.17	0.45	1.76	0.29	2.02	
CNTRL OBS	0	2	7	8	5	14	13	4	
SMR	0.00	0.48	1.33	1.34	0.73	1.71	1.36	0.99	
DIGESTIVE ORGANS									
STUDY OBS	20	45	44	41	62	48	45	31	
SMR	0.77	1.02	0.98	0.84	1.18	0.86	0.74	1.23	
CNTRL OBS	84	172	167	146	149	141	141	64	
SMR	0.71	0.90	0.91	0.85	0.93	0.88	0.85	0.95	
STOMACH									
STUDY OBS	11	12	10	4	15	5	5	1	
SMR	1.49	1.04	0.99	0.43	1.76	0.63	0.65	0.32	
CNTRL OBS	14	46	26	32	21	31	19	3	
SMR	0.42	0.92	0.63	0.98	0.80	1.36	0.90	0.36	

Portsmouth Gas. Diff. (1952)  
 Pike, OH

Age at death: all

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM								
STUDY OBS	3	18	15	22	31	23	19	15
SMR	0.29	0.98	0.76	0.98	1.23	0.83	0.63	1.20
CNTRL OBS	35	77	78	66	78	64	67	35
SMR	0.73	0.96	0.98	0.84	1.02	0.81	0.82	1.05
LIVER (PRIMARY)								
STUDY OBS	3	9	9	8	1	2	1	5
SMR	0.97	1.75	1.77	1.67	0.29	0.74	0.33	3.90
CNTRL OBS	22	26	22	15	5	7	3	2
SMR	1.54	1.15	1.06	0.89	0.47	0.89	0.36	0.58
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	4	9	14	22	33	35	50	37
SMR	0.60	0.66	0.76	0.86	0.94	0.78	0.88	1.49
CNTRL OBS	22	33	43	60	100	137	175	64
SMR	0.78	0.59	0.61	0.69	0.94	1.05	1.11	0.95
BREAST (FEMALE)								
STUDY OBS	5	7	4	7	12	12	8	4
SMR	0.98	0.75	0.39	0.58	0.86	0.76	0.44	0.51
CNTRL OBS	20	31	33	40	41	37	58	17
SMR	0.83	0.75	0.79	0.93	0.92	0.77	1.11	0.79
THYROID								
STUDY OBS	1	0	0	0	1	0	0	0
SMR	3.67	0.00	0.00	0.00	1.92	0.00	0.00	0.00
CNTRL OBS	1	2	3	0	1	1	0	2
SMR	0.79	0.95	1.51	0.00	0.62	0.64	0.00	3.45
BONES & JOINTS								
STUDY OBS	0	1	1	1	1	4	0	0
SMR	0.00	0.94	1.04	1.07	1.06	4.44	0.00	0.00
CNTRL OBS	1	4	2	4	1	3	1	2
SMR	0.36	0.94	0.56	1.31	0.35	1.16	0.51	3.06
BLADDER								
STUDY OBS	2	2	4	4	4	8	7	1
SMR	0.90	0.52	0.99	0.87	0.77	1.42	1.18	0.41
CNTRL OBS	4	10	9	14	14	13	15	7
SMR	0.40	0.60	0.55	0.88	0.90	0.83	0.96	1.11
BRAIN & OTHER C.N.S.								
STUDY OBS	2	5	1	1	2	6	9	1
SMR	1.45	1.88	0.32	0.30	0.49	1.23	1.62	0.42
CNTRL OBS	6	8	7	8	13	11	5	6
SMR	1.08	0.81	0.66	0.75	1.06	0.77	0.32	0.94
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	1	1	1	0
SMR	0.00	0.00	0.00	0.00	0.69	0.43	0.72	0.00
CNTRL OBS	0	0	0	0	2	8	1	0
SMR	0.00	0.00	0.00	0.00	0.46	1.19	0.26	0.00





Age at death: under 10

Rocky Flats (1953)  
Boulder, CO ; Jefferson, CO

	YEARS BEFORE STARTUP		YEARS AFTER STARTUP						
	1950-53		1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM									
STUDY OBS	0		0	0	0	0	0	0	0
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0		0	0	0	0	0	0	0
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)									
STUDY OBS	0		0	0	0	0	0	0	1
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	8.95
CNTRL OBS	0		1	1	2	1	2	0	0
SMR	0.00		4.18	2.99	6.67	2.96	5.89	0.00	0.00
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	0		0	0	1	0	1	0	0
SMR	0.00		0.00	0.00	11.58	0.00	13.58	0.00	0.00
CNTRL OBS	0		0	0	0	0	1	0	0
SMR	0.00		0.00	0.00	0.00	0.00	15.55	0.00	0.00
BREAST (FEMALE)									
STUDY OBS	0		0	0	0	0	0	0	0
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0		0	0	0	0	0	0	0
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID									
STUDY OBS	0		0	0	0	0	0	0	0
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0		0	0	0	0	0	0	0
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS									
STUDY OBS	0		0	0	0	0	0	1	0
SMR	0.00		0.00	0.00	0.00	0.00	0.00	2.88	0.00
CNTRL OBS	0		1	0	0	0	0	0	0
SMR	0.00		3.12	0.00	0.00	0.00	0.00	0.00	0.00
BLADDER									
STUDY OBS	0		0	0	0	0	0	0	0
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0		0	0	0	0	0	0	0
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.									
STUDY OBS	1		1	2	3	6	7	2	1
SMR	0.56		0.29	0.43	0.62	1.29	1.76	0.50	1.18
CNTRL OBS	3		2	3	5	2	2	4	1
SMR	1.55		0.57	0.67	1.23	0.54	0.62	1.24	1.48
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0		0	0	0	3	1	0	0
SMR	0.00		0.00	0.00	0.00	1.90	0.65	0.00	0.00
CNTRL OBS	0		0	0	0	2	1	0	0
SMR	0.00		0.00	0.00	0.00	1.54	0.77	0.00	0.00





Rocky Flats (1953)  
Boulder, CO ; Jefferson, CO

Age at death: 20 to 39

	YEARS BEFORE STARTUP		YEARS AFTER STARTUP				Rocky Flats (1953)		
	1950-53		1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY OBS	3		5	3	8	10	19	16	1
SMR	0.89		0.90	0.42	0.85	0.80	1.12	0.78	0.22
CNTRL OBS	3		3	8	12	10	9	13	3
SMR	0.88		0.55	1.19	1.42	0.95	0.71	0.89	0.90
<b>ALL CANCER, EXCL LEUK</b>									
STUDY OBS	25		34	48	77	81	108	124	34
SMR	0.85		0.71	0.77	0.96	0.79	0.84	0.80	0.97
CNTRL OBS	37		41	38	40	53	79	76	19
SMR	1.21		0.86	0.65	0.58	0.65	0.87	0.71	0.75
<b>HODGKIN'S DISEASE</b>									
STUDY OBS	2		3	4	10	14	9	7	3
SMR	0.75		0.67	0.66	1.19	1.41	0.90	0.73	1.46
CNTRL OBS	8		3	5	8	2	3	6	1
SMR	3.01		0.69	0.88	1.09	0.24	0.42	0.90	0.69
<b>OTHER LYMPHOMA</b>									
STUDY OBS	2		2	5	9	7	7	9	4
SMR	1.26		0.77	1.38	1.85	1.09	0.83	0.82	1.60
CNTRL OBS	0		2	1	3	4	7	4	3
SMR	0.00		0.78	0.29	0.69	0.75	1.14	0.52	1.69
<b>MULTIPLE MYELOMA</b>									
STUDY OBS	0		0	0	0	0	0	2	0
SMR	0.00		0.00	0.00	0.00	0.00	0.00	3.04	0.00
CNTRL OBS	0		0	0	0	0	0	0	0
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>DIGESTIVE ORGANS</b>									
STUDY OBS	5		2	14	11	11	20	13	3
SMR	0.91		0.23	1.39	0.90	0.74	1.09	0.60	0.61
CNTRL OBS	4		5	10	5	9	9	10	2
SMR	0.69		0.59	1.06	0.48	0.77	0.69	0.65	0.56
<b>STOMACH</b>									
STUDY OBS	1		0	3	3	1	5	2	0
SMR	0.81		0.00	1.47	1.38	0.40	1.71	0.57	0.00
CNTRL OBS	1		1	0	2	3	1	4	0
SMR	0.76		0.54	0.00	1.06	1.51	0.48	1.60	0.00

YEARS BEFORE STARTUP		YEARS AFTER STARTUP							
		1950-53	1954-58	1959-63	1964-68	1969-73			
COLON & RECTUM	STUDY	2	1	6	6	5	10	5	2
	SMR	0.71	0.23	1.20	0.99	0.68	1.09	0.47	0.84
	CNTRL	2	1	6	3	2	4	2	2
	SMR	0.68	0.23	1.29	0.59	0.35	0.62	0.27	1.17
LIVER (PRIMARY)	STUDY	1	1	3	0	3	0	1	1
	SMR	1.80	1.20	3.11	0.00	2.27	0.00	0.43	1.86
	CNTRL	1	2	0	0	3	2	2	0
	SMR	1.69	2.35	0.00	0.00	2.57	1.49	1.15	0.00
TRACHEA, BRONCHUS, LUNG	STUDY	0	2	2	7	3	5	7	2
	SMR	0.00	0.64	0.42	0.99	0.30	0.41	0.49	0.62
	CNTRL	1	1	2	2	3	6	5	0
	SMR	0.61	0.33	0.45	0.34	0.41	0.72	0.52	0.00
BREAST (FEMALE)	STUDY	5	6	4	11	10	12	18	7
	SMR	1.32	0.92	0.46	1.01	0.71	0.65	0.73	1.23
	CNTRL	2	8	5	2	8	15	9	5
	SMR	0.49	1.23	0.63	0.23	0.77	1.21	0.54	1.20
THYROID	STUDY	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL	0	1	0	1	0	0	0	0
	SMR	0.00	6.03	0.00	4.47	0.00	0.00	0.00	0.00
BONES & JOINTS	STUDY	0	1	1	0	0	4	4	3
	SMR	0.00	1.03	0.89	0.00	0.00	1.47	1.27	4.43
	CNTRL	2	0	1	2	4	2	2	0
	SMR	3.10	0.00	0.87	1.37	2.06	0.90	0.85	0.00
BLADDER	STUDY	0	0	0	2	1	1	1	0
	SMR	0.00	0.00	0.00	7.18	2.86	2.73	1.97	0.00
	CNTRL	0	0	1	1	0	0	0	0
	SMR	0.00	0.00	4.42	4.25	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.	STUDY	2	9	5	7	7	11	15	5
	SMR	0.76	2.04	0.87	1.00	0.70	0.86	0.96	1.43
	CNTRL	3	4	3	1	5	7	7	0
	SMR	1.12	0.93	0.56	0.17	0.62	0.78	0.66	0.00
BENIGN & UNSPEC NEOPLASMS	STUDY	0	0	0	0	0	4	1	0
	SMR	0.00	0.00	0.00	0.00	0.00	1.00	0.53	0.00
	CNTRL	0	0	0	0	5	1	1	0
	SMR	0.00	0.00	0.00	0.00	1.80	0.34	0.75	0.00



Age at death: 40 to 59

Rocky Flats (1953)  
Boulder, CO ; Jefferson, CO

YEARS BEFORE STARTUP		YEARS AFTER STARTUP					1974-78	1979-83	1984-84
		1950-53	1954-58	1959-63	1964-68	1969-73			
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	6	10	9	16	21	22	27	4
	SMR	0.94	0.95	0.66	0.90	0.97	0.84	0.91	0.65
CNTRL	OBS	6	14	8	13	16	26	16	7
	SMR	0.82	1.28	0.63	0.89	0.97	1.37	0.72	1.42
ALL CANCER, EXCL LEUK									
STUDY	OBS	152	224	309	404	525	652	736	157
	SMR	0.93	0.82	0.86	0.81	0.79	0.80	0.80	0.83
CNTRL	OBS	172	238	259	309	428	476	594	123
	SMR	0.90	0.84	0.76	0.74	0.84	0.78	0.84	0.79
HODGKIN'S DISEASE									
STUDY	OBS	2	1	9	5	9	4	3	1
	SMR	0.80	0.23	1.58	0.66	1.08	0.59	0.52	0.87
CNTRL	OBS	2	6	6	6	7	4	6	1
	SMR	0.71	1.35	1.15	0.98	1.13	0.82	1.43	1.12
OTHER LYMPHOMA									
STUDY	OBS	8	13	17	24	25	33	41	6
	SMR	1.81	1.61	1.45	1.39	1.13	1.28	1.35	0.94
CNTRL	OBS	5	6	13	20	11	10	19	2
	SMR	0.99	0.72	1.19	1.43	0.66	0.53	0.83	0.39
MULTIPLE MYELOMA									
STUDY	OBS	4	0	7	3	9	11	10	4
	SMR	2.70	0.00	1.72	0.58	1.25	1.14	0.90	1.76
CNTRL	OBS	2	5	7	2	7	6	9	1
	SMR	1.16	1.65	1.79	0.46	1.23	0.82	1.03	0.52
DIGESTIVE ORGANS									
STUDY	OBS	47	61	68	124	104	138	158	28
	SMR	0.91	0.78	0.71	1.01	0.69	0.78	0.83	0.72
CNTRL	OBS	51	59	67	68	99	115	136	22
	SMR	0.85	0.71	0.73	0.66	0.85	0.87	0.92	0.68
STOMACH									
STUDY	OBS	9	12	7	18	13	19	17	3
	SMR	0.73	0.72	0.39	0.91	0.59	0.81	0.69	0.60
CNTRL	OBS	18	11	15	12	14	14	34	3
	SMR	1.24	0.62	0.88	0.72	0.81	0.79	1.78	0.72

		YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
		1950-53	1954-58	1959-63	1964-68	1969-73	1974-78		1979-83
COLON & RECTUM									
STUDY	OBS	16	30	36	72	57	66	74	17
	SMR	0.73	0.88	0.85	1.30	0.83	0.81	0.86	0.98
CNTRL	OBS	18	26	27	29	41	51	52	10
	SMR	0.71	0.73	0.67	0.63	0.78	0.85	0.79	0.70
LIVER (PRIMARY)									
STUDY	OBS	7	2	6	6	4	5	8	0
	SMR	1.10	0.22	0.58	0.54	0.44	0.54	0.75	0.00
CNTRL	OBS	1	7	8	5	9	8	6	3
	SMR	0.13	0.73	0.80	0.53	1.25	1.14	0.70	1.57
TRACHEA, BRONCHUS, LUNG									
STUDY	OBS	14	29	57	66	104	154	181	48
	SMR	0.62	0.66	0.84	0.60	0.61	0.65	0.63	0.81
CNTRL	OBS	27	33	45	52	93	142	153	43
	SMR	1.05	0.73	0.71	0.57	0.71	0.81	0.70	0.88
BREAST (FEMALE)									
STUDY	OBS	23	47	48	68	94	101	118	23
	SMR	1.03	1.23	0.92	0.92	0.98	0.88	0.93	0.87
CNTRL	OBS	23	36	32	56	69	64	98	15
	SMR	0.88	0.90	0.65	0.92	0.93	0.74	1.00	0.70
THYROID									
STUDY	OBS	2	1	1	1	0	1	0	1
	SMR	2.80	0.93	0.82	0.71	0.00	0.54	0.00	2.70
CNTRL	OBS	1	1	1	1	1	1	1	0
	SMR	1.20	0.88	0.86	0.85	0.80	0.73	0.71	0.00
BONES & JOINTS									
STUDY	OBS	2	4	1	1	4	1	0	2
	SMR	1.46	2.03	0.48	0.42	1.44	0.35	0.00	4.81
CNTRL	OBS	1	1	2	1	2	0	3	0
	SMR	0.63	0.49	1.02	0.51	0.93	0.00	1.79	0.00
BLADDER									
STUDY	OBS	0	3	2	3	6	5	7	2
	SMR	0.00	0.65	0.38	0.46	0.75	0.54	0.75	1.09
CNTRL	OBS	8	1	5	3	9	4	4	1
	SMR	2.16	0.21	0.99	0.54	1.44	0.58	0.56	0.66
BRAIN & OTHER C.N.S.									
STUDY	OBS	3	9	11	13	31	31	47	10
	SMR	0.49	0.84	0.74	0.68	1.14	0.97	1.37	1.42
CNTRL	OBS	7	12	9	14	19	22	19	3
	SMR	1.01	1.09	0.66	0.91	0.92	0.96	0.75	0.54
BENIGN & UNSPEC NEOPLASMS									
STUDY	OBS	0	0	0	0	13	10	3	2
	SMR	0.00	0.00	0.00	0.00	1.48	1.03	0.72	3.54
CNTRL	OBS	0	0	0	0	11	8	1	0
	SMR	0.00	0.00	0.00	0.00	1.63	1.11	0.32	0.00

Age at death: 60 plus

Rocky Flats (1953)  
Boulder, CO ; Jefferson, CO

	YEARS BEFORE STARTUP		YEARS AFTER STARTUP		1964-68		1969-73		1974-78		1979-83		1984-84	
	1950-53		1954-58	1959-63										
<b>LEUKEMIA &amp; ALEUKEMIA</b>														
STUDY OBS	10		23	32	47		48		57		73		25	
SMR	0.79		1.01	1.03	1.13		0.94		0.87		0.89		1.39	
CNTRL OBS	14		26	32	47		52		60		60		20	
SMR	0.81		0.93	0.91	1.10		1.07		1.03		0.82		1.21	
<b>ALL CANCER, EXCL LEUK</b>														
STUDY OBS	345		561	656	887		1108		1477		2059		478	
SMR	0.89		0.91	0.84	0.88		0.86		0.87		0.94		0.99	
CNTRL OBS	472		706	692	816		984		1303		1736		395	
SMR	0.88		0.92	0.78	0.79		0.81		0.86		0.89		0.89	
<b>HODGKIN'S DISEASE</b>														
STUDY OBS	2		6	5	5		6		7		7		1	
SMR	0.81		1.49	1.00	0.79		0.82		1.02		1.06		0.72	
CNTRL OBS	1		4	4	4		5		7		4		0	
SMR	0.30		0.81	0.71	0.63		0.74		1.16		0.68		0.00	
<b>OTHER LYMPHOMA</b>														
STUDY OBS	11		18	17	18		40		65		69		21	
SMR	1.65		1.42	0.91	0.66		1.07		1.28		0.97		1.31	
CNTRL OBS	11		24	19	33		31		56		53		17	
SMR	1.22		1.54	0.91	1.19		0.89		1.25		0.84		1.16	
<b>MULTIPLE MYELOMA</b>														
STUDY OBS	1		5	11	17		21		22		43		8	
SMR	0.39		0.88	1.26	1.30		1.10		0.79		1.15		0.96	
CNTRL OBS	7		7	11	19		13		32		38		12	
SMR	2.01		1.00	1.11	1.41		0.71		1.29		1.13		1.55	
<b>DIGESTIVE ORGANS</b>														
STUDY OBS	140		229	260	313		339		478		591		142	
SMR	0.80		0.86	0.83	0.84		0.78		0.89		0.92		1.02	
CNTRL OBS	213		308	248	283		320		402		516		127	
SMR	0.88		0.93	0.69	0.73		0.77		0.84		0.90		0.99	
<b>STOMACH</b>														
STUDY OBS	46		57	55	48		51		65		68		19	
SMR	0.92		0.85	0.81	0.71		0.75		0.89		0.87		1.15	
CNTRL OBS	77		79	40	37		35		40		58		20	
SMR	1.11		0.94	0.51	0.52		0.53		0.61		0.83		1.30	



Table 2-A.9

Age at death: all	Rocky Flats (1953) Boulder, CO ; Jefferson, CO								
	YEARS BEFORE STARTUP		YEARS AFTER STARTUP						
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84	
LEUKEMIA & ALEUKEMIA									
	STUDY OBS	23	51	69	88	97	117	130	32
	SMR	0.80	1.01	1.02	1.00	0.91	0.92	0.88	1.01
	CNTRL OBS	31	62	55	89	97	103	96	31
SMR	0.89	1.10	0.79	1.09	1.05	0.99	0.79	1.14	
ALL CANCER, EXCL LEUK									
	STUDY OBS	526	831	1021	1391	1735	2267	2943	676
	SMR	0.89	0.87	0.84	0.86	0.84	0.85	0.89	0.95
	CNTRL OBS	689	1006	1011	1186	1485	1881	2422	539
SMR	0.90	0.90	0.78	0.77	0.81	0.84	0.87	0.86	
HODGKIN'S DISEASE									
	STUDY OBS	6	10	18	22	30	21	17	5
	SMR	0.74	0.73	1.00	0.92	1.11	0.84	0.74	1.05
	CNTRL OBS	11	14	17	20	15	14	16	2
SMR	1.18	0.96	0.96	0.94	0.67	0.73	0.91	0.53	
OTHER LYMPHOMA									
	STUDY OBS	23	36	39	57	76	109	122	31
	SMR	1.67	1.41	1.06	1.08	1.09	1.23	1.05	1.22
	CNTRL OBS	17	36	37	62	53	77	79	22
SMR	1.01	1.26	0.97	1.26	0.88	1.06	0.82	1.00	
MULTIPLE MYELOMA									
	STUDY OBS	5	5	18	20	30	33	55	12
	SMR	1.19	0.57	1.38	1.08	1.12	0.87	1.12	1.12
	CNTRL OBS	9	12	18	21	20	38	47	13
SMR	1.69	1.17	1.28	1.16	0.82	1.17	1.09	1.33	
DIGESTIVE ORGANS									
	STUDY OBS	192	292	342	448	455	636	764	174
	SMR	0.82	0.83	0.81	0.88	0.75	0.87	0.89	0.95
	CNTRL OBS	268	373	327	358	429	528	662	151
SMR	0.87	0.88	0.71	0.71	0.79	0.85	0.90	0.92	
STOMACH									
	STUDY OBS	56	69	65	69	66	89	87	22
	SMR	0.88	0.81	0.74	0.77	0.71	0.89	0.82	0.98
	CNTRL OBS	96	91	55	51	52	55	96	23
SMR	1.13	0.88	0.57	0.57	0.61	0.64	1.04	1.14	



Rocky Flats (1953)  
Boulder, CO ; Jefferson, CO

Age at death: all

	YEARS BEFORE STARTUP		YEARS AFTER STARTUP		1964-68		1969-73		1974-78		1979-83		1984-84	
	1950-53		1954-58	1959-63										
<b>COLON &amp; RECTUM</b>														
STUDY OBS	73		123	172		224	235		327		360		92	
SMR	0.76		0.81	0.91		0.94	0.80		0.90		0.86		1.03	
CNTRL OBS	91		147	134		172	220		268		306		74	
SMR	0.71		0.81	0.65		0.74	0.83		0.87		0.85		0.92	
<b>LIVER (PRIMARY)</b>														
STUDY OBS	24		30	33		34	22		26		36		7	
SMR	0.84		0.72	0.69		0.71	0.62		0.71		0.81		0.72	
CNTRL OBS	27		54	40		44	28		24		28		6	
SMR	0.71		1.08	0.76		0.93	0.86		0.77		0.73		0.69	
<b>TRACHEA, BRONCHUS, LUNG</b>														
STUDY OBS	46		94	124		224	306		442		620		155	
SMR	0.78		0.81	0.68		0.77	0.69		0.68		0.71		0.82	
CNTRL OBS	59		97	130		177	272		412		562		128	
SMR	0.80		0.74	0.69		0.65	0.71		0.77		0.76		0.76	
<b>BREAST (FEMALE)</b>														
STUDY OBS	60		103	122		165	216		243		338		73	
SMR	1.09		1.12	1.01		1.01	1.02		0.91		1.04		1.03	
CNTRL OBS	52		94	89		125	147		199		247		52	
SMR	0.73		0.89	0.71		0.84	0.82		0.93		0.92		0.86	
<b>THYROID</b>														
STUDY OBS	5		2	6		4	7		5		7		2	
SMR	1.89		0.48	1.24		0.72	1.09		0.67		0.89		1.21	
CNTRL OBS	4		6	8		8	7		6		6		2	
SMR	1.15		1.21	1.53		1.69	1.22		0.97		0.90		1.37	
<b>BONES &amp; JOINTS</b>														
STUDY OBS	5		12	5		5	12		12		12		8	
SMR	0.83		1.38	0.53		0.44	0.87		0.81		0.95		3.27	
CNTRL OBS	8		8	14		6	8		7		9		2	
SMR	1.07		0.81	1.43		0.56	0.66		0.58		0.89		0.99	
<b>BLADDER</b>														
STUDY OBS	13		22	27		36	45		49		67		14	
SMR	0.69		0.75	0.76		0.83	0.84		0.75		0.92		0.91	
CNTRL OBS	27		30	29		33	48		47		61		8	
SMR	1.07		0.85	0.74		0.75	0.96		0.82		0.95		0.57	
<b>BRAIN &amp; OTHER C.N.S.</b>														
STUDY OBS	10		29	26		34	70		83		127		32	
SMR	0.70		1.13	0.72		0.74	1.03		0.96		1.25		1.47	
CNTRL OBS	23		28	28		26	45		69		58		14	
SMR	1.41		1.04	0.81		0.65	0.81		1.03		0.72		0.77	
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>														
STUDY OBS	0		0	0		0	30		37		11		2	
SMR	0.00		0.00	0.00		0.00	1.08		1.07		0.65		0.77	
CNTRL OBS	0		0	0		0	31		33		7		1	
SMR	0.00		0.00	0.00		0.00	1.30		1.16		0.49		0.44	





Nuclear Fuel Services (1966)  
Cattaraugus, NY

		YEARS BEFORE STARTUP			YEARS AFTER STARTUP			1982-84		
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84	
COLON & RECTUM	STUDY									
	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL	0	1	0	0	0	0	0	0	
	OBS	0.00	14.24	0.00	0.00	0.00	0.00	0.00	0.00	
	SMR									
LIVER (PRIMARY)	STUDY									
	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL	0	0	0	0	0	0	0	0	
	OBS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SMR									
TRACHEA, BRONCHUS, LUNG	STUDY									
	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL	0	0	1	0	0	0	0	0	
	OBS	0.00	0.00	13.13	0.00	0.00	0.00	0.00	0.00	
	SMR									
BREAST (FEMALE)	STUDY									
	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL	0	0	0	0	0	0	0	0	
	OBS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SMR									
THYROID	STUDY									
	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL	0	0	0	0	0	0	0	0	
	OBS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SMR									
BONES & JOINTS	STUDY									
	OBS	1	0	0	0	0	0	0	0	
	SMR	17.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL	0	0	0	0	0	0	0	0	
	OBS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SMR									
BLADDER	STUDY									
	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL	1	0	0	0	0	0	0	0	
	OBS	35.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SMR									
BRAIN & OTHER C.N.S.	STUDY									
	OBS	0	1	2	4	0	0	2	0	
	SMR	0.00	0.65	1.21	2.76	0.00	0.00	3.06	0.00	
	CNTRL	2	3	2	2	5	0	1	0	
	OBS	1.48	0.81	0.49	0.54	1.76	0.00	0.63	0.00	
	SMR									
BENIGN & UNSPEC NEOPLASMS	STUDY									
	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL	0	0	0	0	0	0	0	0	
	OBS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SMR									



	YEARS BEFORE STARTUP					YEARS AFTER STARTUP			
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84	
<b>COLON &amp; RECTUM</b>									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>LIVER (PRIMARY)</b>									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	1	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	7.25	0.00	
<b>TRACHEA, BRONCHUS, LUNG</b>									
STUDY OBS	0	0	0	0	0	1	0	1	
SMR	0.00	0.00	0.00	0.00	0.00	30.40	0.00	95.06	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>BREAST (FEMALE)</b>									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>THYROID</b>									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>BONES &amp; JOINTS</b>									
STUDY OBS	1	3	0	0	0	4	0	0	
SMR	4.96	5.64	0.00	0.00	0.00	6.83	0.00	0.00	
CNTRL OBS	0	3	2	1	1	0	1	0	
SMR	0.00	2.45	1.49	0.67	0.62	0.00	0.87	0.00	
<b>BLADDER</b>									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>BRAIN &amp; OTHER C.N.S.</b>									
STUDY OBS	1	0	1	2	0	2	0	0	
SMR	3.91	0.00	1.28	2.42	0.00	2.47	0.00	0.00	
CNTRL OBS	0	5	1	1	1	3	3	0	
SMR	0.00	3.09	0.53	0.49	0.48	1.45	1.81	0.00	
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>									
STUDY OBS	0	0	0	0	0	1	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	3.49	0.00	0.00	
CNTRL OBS	0	0	0	0	1	1	0	0	
SMR	0.00	0.00	0.00	0.00	2.98	1.37	0.00	0.00	

Age at death: 20 to 39

Nuclear Fuel Services (1966)  
Cattaraugus, NY

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP				
	1950-51	1952-56	1957-61	1962-66		1967-71	1972-76	1977-81	1982-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>										
STUDY OBS	0	0	1	2		2	5	5	0	
SMR	0.00	0.00	0.46	1.00		1.05	2.45	2.30	0.00	
CNTRL OBS	2	6	10	6		4	8	3	2	
SMR	0.90	1.09	1.89	1.17		0.78	1.46	0.53	0.59	
<b>ALL CANCER, EXCL LEUK</b>										
STUDY OBS	11	21	17	24		23	14	23	4	
SMR	1.26	1.01	0.88	1.35		1.42	0.90	1.45	0.39	
CNTRL OBS	21	45	54	46		38	46	67	24	
SMR	1.05	0.92	1.14	1.01		0.88	1.09	1.59	0.92	
<b>HODGKIN'S DISEASE</b>										
STUDY OBS	2	1	3	1		1	1	3	0	
SMR	2.58	0.54	1.67	0.57		0.63	0.73	2.76	0.00	
CNTRL OBS	1	5	7	7		7	3	3	1	
SMR	0.57	1.15	1.61	1.55		1.61	0.81	1.05	0.66	
<b>OTHER LYMPHOMA</b>										
STUDY OBS	0	0	1	2		0	1	0	0	
SMR	0.00	0.00	0.94	1.91		0.00	0.99	0.00	0.00	
CNTRL OBS	0	2	2	5		4	4	6	1	
SMR	0.00	0.78	0.77	1.87		1.51	1.46	2.09	0.55	
<b>MULTIPLE MYELOMA</b>										
STUDY OBS	0	0	0	0		0	0	0	0	
SMR	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	1	0		0	0	0	1	
SMR	0.00	0.00	4.75	0.00		0.00	0.00	0.00	8.92	
<b>DIGESTIVE ORGANS</b>										
STUDY OBS	5	5	2	5		3	4	4	1	
SMR	3.02	1.30	0.61	1.81		1.26	1.80	1.80	0.71	
CNTRL OBS	5	8	13	8		7	5	10	4	
SMR	1.31	0.88	1.61	1.12		1.10	0.83	1.69	1.10	
<b>STOMACH</b>										
STUDY OBS	1	2	0	0		0	0	1	0	
SMR	2.66	2.34	0.00	0.00		0.00	0.00	2.85	0.00	
CNTRL OBS	0	0	2	2		1	0	0	2	
SMR	0.00	0.00	1.18	1.46		0.91	0.00	0.00	3.43	

Age at death: 20 to 39

Nuclear Fuel Services (1966)  
Cattaraugus, NY

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM								
STUDY OBS	4	3	1	5	2	1	2	0
SMR	4.79	1.55	0.61	3.66	1.70	0.91	1.82	0.00
CNTRL OBS	3	6	7	3	1	3	7	2
SMR	1.55	1.30	1.73	0.85	0.32	1.00	2.38	1.14
LIVER (PRIMARY)								
STUDY OBS	0	0	0	0	1	0	0	1
SMR	0.00	0.00	0.00	0.00	4.45	0.00	0.00	6.53
CNTRL OBS	0	1	0	0	1	1	2	0
SMR	0.00	1.10	0.00	0.00	1.66	1.81	3.36	0.00
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	0	0	0	2	1	1	1	1
SMR	0.00	0.00	0.00	1.35	0.67	0.68	0.69	1.10
CNTRL OBS	0	2	3	5	4	7	11	3
SMR	0.00	0.68	0.87	1.30	1.00	1.74	2.78	1.25
BREAST (FEMALE)								
STUDY OBS	0	5	2	5	8	1	4	1
SMR	0.00	1.81	0.74	2.00	3.51	0.45	1.66	0.61
CNTRL OBS	3	5	6	8	1	6	7	3
SMR	1.13	0.75	0.89	1.25	0.17	1.01	1.09	0.69
THYROID								
STUDY OBS	0	0	0	1	0	0	0	0
SMR	0.00	0.00	0.00	16.82	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS								
STUDY OBS	0	0	1	1	0	0	0	0
SMR	0.00	0.00	2.83	3.25	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	0	0	2	0	1	0
SMR	0.00	1.03	0.00	0.00	2.54	0.00	1.11	0.00
BLADDER								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	1	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	7.97	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	0	2	1	1	2	1	1	0
SMR	0.00	1.07	0.57	0.64	1.37	0.64	0.63	0.00
CNTRL OBS	2	2	3	1	1	5	6	2
SMR	1.13	0.46	0.70	0.25	0.25	1.17	1.43	0.78
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	1	2	1
SMR	0.00	0.00	0.00	0.00	0.00	0.65	2.26	4.75



Age at death: 40 to 59

Nuclear Fuel Services (1966)  
Cattaraugus, NY

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	1	7	9	4		10	4	2
SMR	0.43	1.21	1.59	0.73		1.96	0.81	0.71
CNTRL OBS	6	13	10	8		12	10	10
SMR	1.08	0.94	0.73	0.58		0.91	0.79	1.35
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	54	160	160	167		166	176	93
SMR	0.89	1.06	1.05	1.08		1.01	1.10	1.02
CNTRL OBS	155	328	344	373		448	388	238
SMR	1.07	0.91	0.95	0.97		1.06	0.95	1.01
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	1	3	3	0		3	1	2
SMR	1.12	1.33	1.32	0.00		1.93	1.00	4.09
CNTRL OBS	2	5	3	4		4	2	0
SMR	0.94	0.92	0.54	0.72		1.00	0.77	0.00
<b>OTHER LYMPHOMA</b>								
STUDY OBS	3	3	5	10		4	7	3
SMR	1.86	0.71	1.07	1.97		0.77	1.39	1.01
CNTRL OBS	4	12	12	17		9	11	9
SMR	1.04	1.18	1.07	1.34		0.67	0.85	1.16
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	1	2	3	0		1	2	2
SMR	1.80	1.32	1.73	0.00		0.52	1.02	1.79
CNTRL OBS	1	1	5	2		2	5	2
SMR	0.75	0.28	1.21	0.47		0.40	1.00	0.69
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	17	48	48	38		45	41	14
SMR	0.88	1.03	1.13	0.95		1.22	1.20	0.74
CNTRL OBS	54	102	90	112		109	82	45
SMR	1.17	0.92	0.88	1.13		1.16	0.95	0.92
<b>STOMACH</b>								
STUDY OBS	2	6	8	4		12	1	1
SMR	0.43	0.56	0.95	0.58		2.36	0.23	0.42
CNTRL OBS	19	25	21	16		11	14	7
SMR	1.68	0.97	1.04	0.94		0.85	1.26	1.13

Nuclear Fuel Services (1966)  
Cattaraugus, NY

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM								
STUDY OBS	8	24	24	22	24	23	29	8
SMR	0.99	1.22	1.30	1.24	1.39	1.36	1.86	0.94
CNTRL OBS	25	47	45	62	60	44	39	22
SMR	1.30	1.00	1.02	1.41	1.35	1.02	0.98	1.00
LIVER (PRIMARY)								
STUDY OBS	5	5	2	5	4	2	0	0
SMR	2.09	0.90	0.42	1.24	1.39	1.01	0.00	0.00
CNTRL OBS	3	12	6	13	2	8	8	3
SMR	0.53	0.90	0.53	1.30	0.27	1.58	1.72	1.08
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	4	22	18	30	33	35	42	35
SMR	0.48	0.97	0.66	0.93	0.85	0.76	0.86	1.21
CNTRL OBS	20	57	60	68	107	140	120	85
SMR	0.97	1.03	0.91	0.84	1.06	1.19	0.96	1.13
BREAST (FEMALE)								
STUDY OBS	7	28	28	30	21	25	32	15
SMR	0.87	1.37	1.33	1.36	0.90	1.07	1.44	1.23
CNTRL OBS	22	50	48	56	65	53	54	42
SMR	1.20	1.06	0.96	1.03	1.10	0.89	0.96	1.32
THYROID								
STUDY OBS	1	0	0	0	1	1	0	0
SMR	3.76	0.00	0.00	0.00	2.39	2.61	0.00	0.00
CNTRL OBS	0	1	1	1	2	0	1	2
SMR	0.00	0.66	0.75	0.85	1.87	0.00	1.16	4.39
BONES & JOINTS								
STUDY OBS	0	0	1	0	0	0	0	0
SMR	0.00	0.00	1.04	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	1	2	1	2	2	1	0	0
SMR	0.83	0.71	0.43	1.02	1.10	0.62	0.00	0.00
BLADDER								
STUDY OBS	3	1	1	0	2	1	2	1
SMR	2.49	0.35	0.41	0.00	0.95	0.50	1.14	1.08
CNTRL OBS	2	3	11	3	3	9	4	4
SMR	0.68	0.43	1.87	0.55	0.55	1.76	0.89	1.68
BRAIN & OTHER C.N.S.								
STUDY OBS	0	10	4	5	1	8	10	2
SMR	0.00	1.78	0.68	0.85	0.16	1.24	1.73	0.62
CNTRL OBS	3	7	16	12	15	22	11	6
SMR	0.57	0.52	1.12	0.82	0.96	1.33	0.74	0.70
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	0	4	0	0
SMR	0.00	0.00	0.00	0.00	0.00	1.78	0.00	0.00
CNTRL OBS	0	0	0	0	5	8	2	1
SMR	0.00	0.00	0.00	0.00	1.88	1.39	0.65	1.49

Age at death: 60 plus

Nuclear Fuel Services (1966)  
Cattaraugus, NY

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP				
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84	
LEUKEMIA & ALEUKEMIA	STUDY OBS	2	13	23	19	18	17	24	16	
	SMR	0.37	0.85	1.25	0.94	0.85	0.78	1.01	1.07	
	CNTRL OBS	10	33	41	38	63	55	76	41	
	SMR	0.75	0.88	0.92	0.78	1.24	1.05	1.34	1.10	
ALL CANCER, EXCL LEUK	STUDY OBS	163	480	449	488	521	577	700	439	
	SMR	0.97	1.08	0.94	0.99	1.02	1.04	1.13	1.11	
	CNTRL OBS	413	1050	1064	1172	1210	1307	1511	984	
	SMR	1.01	0.97	0.93	0.99	0.98	0.99	1.02	1.00	
HODGKIN'S DISEASE	STUDY OBS	4	3	1	3	1	4	1	0	
	SMR	3.71	1.05	0.33	0.97	0.33	1.54	0.49	0.00	
	CNTRL OBS	4	9	13	9	5	9	4	0	
	SMR	1.52	1.30	1.75	1.20	0.69	1.44	0.82	0.00	
OTHER LYMPHOMA	STUDY OBS	5	9	13	12	10	10	22	13	
	SMR	1.73	1.08	1.22	0.95	0.69	0.62	1.14	0.99	
	CNTRL OBS	3	28	25	23	44	47	46	32	
	SMR	0.43	1.38	0.97	0.75	1.26	1.21	0.99	0.99	
MULTIPLE MYELOMA	STUDY OBS	2	7	3	2	11	9	21	5	
	SMR	1.78	1.99	0.60	0.33	1.51	1.02	1.99	0.73	
	CNTRL OBS	2	6	13	20	22	19	27	15	
	SMR	0.73	0.70	1.08	1.37	1.25	0.90	1.07	0.88	
DIGESTIVE ORGANS	STUDY OBS	64	209	182	180	187	184	225	142	
	SMR	0.85	1.07	0.92	0.94	1.03	1.02	1.20	1.23	
	CNTRL OBS	193	432	436	438	414	442	467	304	
	SMR	1.04	0.91	0.92	0.95	0.94	1.02	1.04	1.07	
STOMACH	STUDY OBS	27	59	49	34	32	36	22	19	
	SMR	1.24	1.11	1.06	0.90	1.04	1.36	0.91	1.37	
	CNTRL OBS	44	106	81	63	68	47	41	25	
	SMR	0.83	0.82	0.73	0.69	0.92	0.75	0.71	0.73	

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP			
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84	
<b>COLON &amp; RECTUM</b>									
STUDY OBS	22	94	90	92	102	99	123	74	
SMR	0.72	1.16	1.04	1.05	1.16	1.09	1.29	1.28	
CNTRL OBS	91	207	217	224	221	238	253	171	
SMR	1.21	1.05	1.05	1.06	1.04	1.09	1.11	1.19	
<b>LIVER (PRIMARY)</b>									
STUDY OBS	1	16	12	16	11	6	3	9	
SMR	0.11	0.68	0.53	0.80	0.82	0.70	0.34	1.61	
CNTRL OBS	20	46	46	61	21	20	22	12	
SMR	0.89	0.81	0.84	1.27	0.65	0.97	1.04	0.87	
<b>TRACHEA, BRONCHUS, LUNG</b>									
STUDY OBS	12	28	58	73	102	143	157	115	
SMR	0.77	0.62	0.95	0.94	1.05	1.18	1.03	1.12	
CNTRL OBS	33	103	133	182	250	288	368	269	
SMR	0.87	0.92	0.88	0.95	1.05	0.97	1.00	1.05	
<b>BREAST (FEMALE)</b>									
STUDY OBS	12	34	34	51	31	48	56	46	
SMR	1.00	1.05	0.97	1.39	0.80	1.13	1.19	1.52	
CNTRL OBS	36	85	88	103	101	110	115	86	
SMR	1.22	1.09	1.07	1.20	1.11	1.11	1.04	1.17	
<b>THYROID</b>									
STUDY OBS	0	3	0	2	2	1	0	0	
SMR	0.00	1.47	0.00	1.02	1.09	0.56	0.00	0.00	
CNTRL OBS	5	8	5	4	6	3	3	2	
SMR	2.66	1.62	0.99	0.85	1.37	0.71	0.74	0.84	
<b>BONES &amp; JOINTS</b>									
STUDY OBS	2	4	4	5	2	2	2	0	
SMR	1.46	1.21	1.41	2.06	0.88	0.95	1.27	0.00	
CNTRL OBS	7	7	5	5	6	4	1	3	
SMR	2.09	0.87	0.73	0.85	1.09	0.80	0.26	1.86	
<b>BLADDER</b>									
STUDY OBS	7	20	20	15	25	21	26	10	
SMR	1.04	1.13	1.07	0.80	1.34	1.09	1.33	0.87	
CNTRL OBS	19	52	50	56	48	57	59	34	
SMR	1.15	1.20	1.11	1.24	1.06	1.23	1.25	1.18	
<b>BRAIN &amp; OTHER C.N.S.</b>									
STUDY OBS	1	7	5	4	3	8	8	3	
SMR	0.78	1.96	1.12	0.75	0.42	0.81	0.67	0.39	
CNTRL OBS	1	11	5	10	6	23	21	16	
SMR	0.32	1.26	0.45	0.76	0.35	0.97	0.73	0.84	
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>									
STUDY OBS	0	0	0	0	1	7	3	2	
SMR	0.00	0.00	0.00	0.00	0.40	1.12	0.66	1.50	
CNTRL OBS	0	0	0	0	11	25	6	4	
SMR	0.00	0.00	0.00	0.00	1.82	1.68	0.56	1.22	

Age at death: all

Nuclear Fuel Services (1966)  
Cattaraugus, NY

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	5	24	42	30	33	35	36	21
SMR	0.46	0.84	1.32	0.91	1.00	1.07	1.07	1.02
CNTRL OBS	20	68	76	63	89	79	94	55
SMR	0.78	0.99	0.99	0.78	1.09	0.98	1.15	1.07
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	233	668	631	689	696	771	902	540
SMR	0.97	1.07	0.97	1.03	1.00	1.04	1.13	1.08
CNTRL OBS	593	1441	1479	1601	1684	1810	1977	1248
SMR	1.02	0.96	0.94	0.98	0.98	1.00	1.02	1.00
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	7	7	8	4	2	8	5	2
SMR	2.43	0.95	1.06	0.53	0.28	1.38	1.16	0.87
CNTRL OBS	8	19	24	21	16	17	9	1
SMR	1.17	1.08	1.31	1.13	0.90	1.16	0.83	0.17
<b>OTHER LYMPHOMA</b>								
STUDY OBS	8	13	19	27	16	17	29	16
SMR	1.51	0.89	1.09	1.37	0.74	0.73	1.12	0.94
CNTRL OBS	7	44	43	47	66	62	64	44
SMR	0.55	1.25	1.02	0.97	1.23	1.09	1.01	1.03
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	3	9	6	2	12	10	23	7
SMR	1.75	1.76	0.88	0.25	1.32	0.92	1.83	0.87
CNTRL OBS	3	7	19	22	26	21	32	18
SMR	0.72	0.57	1.16	1.15	1.17	0.80	1.06	0.90
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	86	263	233	223	232	233	270	157
SMR	0.89	1.07	0.96	0.95	1.04	1.06	1.20	1.16
CNTRL OBS	252	544	539	558	528	556	561	353
SMR	1.07	0.91	0.92	0.98	0.97	1.04	1.03	1.04
<b>STOMACH</b>								
STUDY OBS	30	68	57	38	39	48	24	20
SMR	1.12	1.05	1.03	0.84	1.06	1.51	0.83	1.21
CNTRL OBS	63	131	104	81	83	58	55	34
SMR	0.96	0.84	0.78	0.74	0.92	0.75	0.79	0.83

Age at death: all

Nuclear Fuel Services (1966)  
Cattaraugus, NY

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM								
STUDY OBS	34	121	115	119	128	123	154	82
SMR	0.86	1.18	1.08	1.11	1.20	1.13	1.37	1.22
CNTRL OBS	119	261	269	289	282	285	299	195
SMR	1.23	1.05	1.05	1.12	1.09	1.08	1.10	1.17
LIVER (PRIMARY)								
STUDY OBS	6	21	14	21	16	8	3	10
SMR	0.51	0.71	0.50	0.86	0.96	0.73	0.27	1.45
CNTRL OBS	23	59	52	74	24	29	33	15
SMR	0.80	0.83	0.77	1.26	0.59	1.10	1.24	0.87
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	16	50	76	105	136	180	200	152
SMR	0.66	0.72	0.85	0.94	0.99	1.07	0.99	1.15
CNTRL OBS	53	162	197	255	361	435	499	357
SMR	0.89	0.95	0.89	0.92	1.05	1.04	1.00	1.07
BREAST (FEMALE)								
STUDY OBS	19	67	64	86	60	74	92	62
SMR	0.89	1.20	1.09	1.41	0.93	1.09	1.29	1.40
CNTRL OBS	61	140	142	167	167	169	176	131
SMR	1.21	1.06	1.02	1.14	1.07	1.03	1.01	1.19
THYROID								
STUDY OBS	1	3	0	3	3	2	0	0
SMR	0.94	1.09	0.00	1.19	1.30	0.90	0.00	0.00
CNTRL OBS	5	9	6	5	8	3	4	4
SMR	1.93	1.35	0.91	0.83	1.43	0.56	0.80	1.37
BONES & JOINTS								
STUDY OBS	4	7	6	6	2	6	2	0
SMR	1.72	1.25	1.23	1.41	0.49	1.61	0.69	0.00
CNTRL OBS	8	13	8	8	11	5	3	3
SMR	1.44	0.97	0.68	0.77	1.10	0.54	0.42	0.92
BLADDER								
STUDY OBS	10	21	21	15	27	22	28	11
SMR	1.25	1.02	0.99	0.72	1.30	1.04	1.31	0.88
CNTRL OBS	22	55	61	59	51	66	64	38
SMR	1.12	1.09	1.19	1.16	1.00	1.28	1.24	1.21
BRAIN & OTHER C.N.S.								
STUDY OBS	2	20	13	16	6	19	21	5
SMR	0.39	1.50	0.89	1.06	0.36	0.97	1.02	0.40
CNTRL OBS	8	28	27	26	28	53	42	24
SMR	0.66	0.88	0.76	0.69	0.67	1.09	0.82	0.75
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	1	12	3	2
SMR	0.00	0.00	0.00	0.00	0.24	1.24	0.47	1.15
CNTRL OBS	0	0	0	0	17	35	10	6
SMR	0.00	0.00	0.00	0.00	1.68	1.47	0.64	1.40





Age at death: under 10

Shippingport/Beaver Valley 1 (1957)  
Beaver, PA ; Hancock, WV

	YEARS BEFORE STARTUP		YEARS AFTER STARTUP				1973-77	1978-82	1983-84
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77			
COLON & RECTUM									
STUDY OBS	0	0	0	0	1	0	0	0	0
SMR	0.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00	0.00
CNTRL OBS	2	0	0	0	0	0	0	0	0
SMR	10.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)									
STUDY OBS	0	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	3	1	0	2	1	2	3	0	0
SMR	4.65	0.89	0.00	1.86	1.11	2.65	4.08	0.00	0.00
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	0	1	0	0	0	0	0	0	0
SMR	0.00	9.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	1	0	0	0	0	0
SMR	0.00	0.00	0.00	4.16	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)									
STUDY OBS	0	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	1	1	0	0	0	0	0	0	0
SMR	31.46	13.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID									
STUDY OBS	0	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	1	0	0	0	0	0	0
SMR	0.00	0.00	25.38	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS									
STUDY OBS	0	0	0	2	1	0	0	0	0
SMR	0.00	0.00	0.00	5.56	3.54	0.00	0.00	0.00	0.00
CNTRL OBS	0	2	2	2	2	0	0	1	1
SMR	0.00	1.33	1.40	1.57	1.93	0.00	0.00	4.99	4.99
BLADDER									
STUDY OBS	0	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.									
STUDY OBS	4	3	4	5	4	5	1	0	0
SMR	1.70	0.66	0.78	1.23	1.40	2.55	0.63	0.00	0.00
CNTRL OBS	5	11	22	22	7	10	3	2	2
SMR	0.58	0.68	1.26	1.53	0.67	1.31	0.48	0.83	0.83
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0	0	2	1	1	1	1
SMR	0.00	0.00	0.00	0.00	2.98	1.25	2.78	13.37	13.37
CNTRL OBS	0	0	0	0	2	3	1	0	0
SMR	0.00	0.00	0.00	0.00	0.80	0.97	0.72	0.00	0.00

Age at death: 10 to 19

Table 2-B.1

Shippingport/Beaver Valley 1 (1957)  
Beaver, PA ; Hancock, WV

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP			1973-77	1978-82	1983-84
	1950-52	1953-57		1958-62	1963-67	1968-72			
LEUKEMIA & ALEUKEMIA									
STUDY OBS	2	4		4	6	4	7	3	0
SHR	0.91	0.96		0.84	1.17	0.76	1.54	0.87	0.00
CNTRL OBS	11	14		13	19	15	17	10	6
SHR	1.37	0.93		0.77	1.03	0.79	1.01	0.74	1.30
ALL CANCER, EXCL LEUK									
STUDY OBS	8	7		7	13	10	9	4	1
SHR	1.87	0.88		0.79	1.33	1.02	1.09	0.64	0.48
CNTRL OBS	11	22		37	39	29	43	23	7
SHR	0.71	0.77		1.16	1.11	0.82	1.42	0.96	0.84
HODGKIN'S DISEASE									
STUDY OBS	2	2		1	1	2	0	0	0
SHR	4.44	2.35		1.00	0.94	2.28	0.00	0.00	0.00
CNTRL OBS	2	5		4	3	3	1	2	0
SHR	1.22	1.61		1.10	0.77	0.93	0.46	1.27	0.00
OTHER LYMPHOMA									
STUDY OBS	2	1		2	2	0	2	0	0
SHR	3.63	0.89		1.48	1.34	0.00	1.66	0.00	0.00
CNTRL OBS	2	7		4	7	5	10	3	1
SHR	1.00	1.71		0.82	1.30	0.94	2.24	0.87	0.86
MULTIPLE MYELOMA									
STUDY OBS	0	0		0	0	0	0	0	0
SHR	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0		0	0	0	0	0	0
SHR	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS									
STUDY OBS	0	1		0	0	0	1	0	0
SHR	0.00	2.28		0.00	0.00	0.00	2.62	0.00	0.00
CNTRL OBS	0	1		2	3	1	3	2	0
SHR	0.00	0.64		1.40	2.03	0.69	2.18	1.76	0.00
STOMACH									
STUDY OBS	0	0		0	0	0	0	0	0
SHR	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0		0	0	0	0	0	0
SHR	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00

Age at death: 10 to 19

Shippingport/Beaver Valley 1 (1957)  
Beaver, PA ; Hancock, WV

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP						
	1950-52	1953-57		1958-62	1963-67	1968-72	1973-77	1978-82	1983-84	
COLON & RECTUM										
STUDY OBS	0	0		0	0	0	0	0	0	0
SMR	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	1		0	2	1	1	0	0	0
SMR	0.00	1.48		0.00	4.38	2.23	2.13	0.00	0.00	0.00
LIVER (PRIMARY)										
STUDY OBS	0	1		0	0	0	1	0	0	0
SMR	0.00	8.22		0.00	0.00	0.00	6.52	0.00	0.00	0.00
CNTRL OBS	0	0		2	1	0	1	1	0	0
SMR	0.00	0.00		4.05	1.68	0.00	1.80	1.89	0.00	0.00
TRACHEA, BRONCHUS, LUNG										
STUDY OBS	0	0		0	0	1	0	0	0	0
SMR	0.00	0.00		0.00	0.00	9.66	0.00	0.00	0.00	0.00
CNTRL OBS	0	0		2	0	0	0	0	0	0
SMR	0.00	0.00		6.52	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)										
STUDY OBS	0	0		0	0	0	0	0	0	0
SMR	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0		0	0	0	0	0	0	0
SMR	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID										
STUDY OBS	0	0		0	0	0	0	0	0	0
SMR	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	1		0	1	0	1	0	0	0
SMR	0.00	12.09		0.00	10.49	0.00	17.78	0.00	0.00	0.00
BONES & JOINTS										
STUDY OBS	1	0		1	2	0	1	2	0	0
SMR	1.23	0.00		0.62	1.12	0.00	0.65	1.80	0.00	0.00
CNTRL OBS	1	2		7	9	7	7	4	1	1
SMR	0.34	0.37		1.20	1.40	1.03	1.24	0.93	0.67	0.67
BLADDER										
STUDY OBS	0	0		0	0	0	0	0	0	0
SMR	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0		0	0	0	0	0	0	0
SMR	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.										
STUDY OBS	1	0		3	3	2	4	1	0	0
SMR	0.95	0.00		1.29	1.26	0.82	1.86	0.63	0.00	0.00
CNTRL OBS	4	3		10	7	4	4	10	1	1
SMR	1.05	0.42		1.20	0.82	0.46	0.50	1.62	0.47	0.47
BENIGN & UNSPEC NEOPLASMS										
STUDY OBS	0	0		0	0	0	1	0	0	0
SMR	0.00	0.00		0.00	0.00	0.00	1.37	0.00	0.00	0.00
CNTRL OBS	0	0		0	0	6	4	1	0	0
SMR	0.00	0.00		0.00	0.00	2.86	1.51	1.09	0.00	0.00

Age at death: 20 to 39

Shippingport/Beaver Valley 1 (1957)  
Beaver, PA ; Hancock, WV

		YEARS BEFORE STARTUP			YEARS AFTER STARTUP						
		1950-52	1953-57		1958-62	1963-67	1968-72	1973-77	1978-82	1983-84	
LEUKEMIA & ALEUKEMIA											
STUDY	OBS	6	5		12	5	7	4	10	3	
	SMR	1.29	0.64		1.62	0.76	1.20	0.67	1.61	1.23	
CNTRL	OBS	18	23		15	21	18	29	28	5	
	SMR	1.09	0.86		0.60	0.92	0.84	1.26	1.14	0.49	
ALL CANCER, EXCL LEUK											
STUDY	OBS	36	74		63	63	50	50	37	24	
	SMR	0.85	1.05		0.91	1.04	0.98	1.08	0.80	1.27	
CNTRL	OBS	162	274		253	215	188	176	189	76	
	SMR	1.09	1.13		1.10	1.04	1.04	1.01	1.04	0.99	
HODGKIN'S DISEASE											
STUDY	OBS	6	7		6	4	7	3	3	0	
	SMR	1.65	1.15		0.97	0.70	1.49	0.81	1.01	0.00	
CNTRL	OBS	9	27		26	27	28	12	13	5	
	SMR	0.69	1.27		1.25	1.35	1.61	0.83	1.09	1.11	
OTHER LYMPHOMA											
STUDY	OBS	1	3		5	2	2	4	0	1	
	SMR	0.46	0.82		1.34	0.58	0.66	1.36	0.00	0.76	
CNTRL	OBS	10	14		15	12	12	17	15	7	
	SMR	1.29	1.11		1.19	1.00	1.09	1.49	1.18	1.29	
MULTIPLE MYELOMA											
STUDY	OBS	0	0		0	0	0	1	0	0	
	SMR	0.00	0.00		0.00	0.00	0.00	5.38	0.00	0.00	
CNTRL	OBS	0	1		0	0	1	0	1	0	
	SMR	0.00	0.94		0.00	0.00	1.43	0.00	1.31	0.00	
DIGESTIVE ORGANS											
STUDY	OBS	8	17		13	8	5	6	4	5	
	SMR	0.99	1.31		1.11	0.84	0.66	0.90	0.61	1.88	
CNTRL	OBS	36	54		50	37	35	26	25	11	
	SMR	1.26	1.22		1.28	1.15	1.32	1.04	0.98	1.02	
STOMACH											
STUDY	OBS	0	4		4	1	0	0	2	0	
	SMR	0.00	1.38		1.61	0.55	0.00	0.00	1.89	0.00	
CNTRL	OBS	8	16		7	5	3	3	4	2	
	SMR	1.24	1.63		0.86	0.83	0.65	0.74	0.98	1.15	

Age at death: 20 to 39

Shippingport/Beaver Valley 1 (1957)  
Beaver, PA ; Hancock, WV

	YEARS BEFORE STARTUP		YEARS AFTER STARTUP				1983-84
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82
<b>COLON &amp; RECTUM</b>							
STUDY OBS	4	9	5	5	2	5	3
SMR	0.99	1.40	0.87	1.07	0.54	1.51	0.63
CNTRL OBS	18	28	30	21	14	13	15
SMR	1.26	1.26	1.55	1.32	1.07	1.05	1.20
<b>LIVER (PRIMARY)</b>							
STUDY OBS	1	2	2	0	1	0	0
SMR	1.18	1.52	1.73	0.00	1.41	0.00	0.00
CNTRL OBS	5	5	3	3	6	2	2
SMR	1.72	1.13	0.79	0.97	2.45	0.85	0.74
<b>TRACHEA, BRONCHUS, LUNG</b>							
STUDY OBS	2	4	6	8	3	3	6
SMR	0.87	0.91	1.14	1.50	0.61	0.67	1.42
CNTRL OBS	10	16	14	17	17	15	13
SMR	1.24	1.06	0.80	0.95	0.99	0.91	0.78
<b>BREAST (FEMALE)</b>							
STUDY OBS	4	10	12	11	6	9	5
SMR	0.72	1.03	1.20	1.26	0.81	1.31	0.69
CNTRL OBS	24	32	36	25	25	22	32
SMR	1.21	0.95	1.07	0.84	0.97	0.88	1.13
<b>THYROID</b>							
STUDY OBS	0	0	2	0	0	0	1
SMR	0.00	0.00	8.54	0.00	0.00	0.00	8.82
CNTRL OBS	1	0	3	1	2	0	1
SMR	1.97	0.00	3.81	1.46	3.58	0.00	2.22
<b>BONES &amp; JOINTS</b>							
STUDY OBS	0	2	0	1	1	0	1
SMR	0.00	1.50	0.00	1.05	1.12	0.00	1.02
CNTRL OBS	1	5	1	5	2	9	4
SMR	0.33	1.09	0.26	1.49	0.60	2.38	1.02
<b>BLADDER</b>							
STUDY OBS	1	2	0	0	0	2	0
SMR	4.14	5.86	0.00	0.00	0.00	14.49	0.00
CNTRL OBS	2	1	1	0	0	0	0
SMR	2.42	0.88	1.08	0.00	0.00	0.00	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>							
STUDY OBS	6	5	0	5	3	2	6
SMR	1.65	0.81	0.00	0.98	0.65	0.44	1.32
CNTRL OBS	16	30	24	12	14	15	20
SMR	1.23	1.40	1.16	0.68	0.83	0.86	1.10
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>							
STUDY OBS	0	0	0	0	0	2	0
SMR	0.00	0.00	0.00	0.00	0.00	1.26	0.00
CNTRL OBS	0	0	0	0	7	6	2
SMR	0.00	0.00	0.00	0.00	1.67	1.00	0.65



Age at death: 40 to 59

Shippingport/Beaver Valley 1 (1957)  
Beaver, PA ; Hancock, WV

Table 2-B.1

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP			1973-77	1978-82	1983-84
	1950-52	1953-57		1958-62	1963-67	1968-72			
LEUKEMIA & ALEUKEMIA									
STUDY OBS	3	19		12	18		23	15	6
SHR	0.32	1.16		0.69	0.98		1.29	0.90	0.96
CNTRL OBS	31	50		58	70		64	70	26
SHR	0.90	0.84		0.94	1.09		1.03	1.19	1.17
ALL CANCER, EXCL LEUK									
STUDY OBS	269	504		477	517		582	566	212
SHR	1.10	1.17		1.02	0.99		0.99	1.03	1.02
CNTRL OBS	966	1587		1681	1976		2056	1937	742
SHR	1.07	1.01		1.01	1.08		1.02	1.00	1.02
HODGKIN'S DISEASE									
STUDY OBS	4	9		6	4		4	1	0
SHR	1.11	1.37		0.85	0.53		0.81	0.31	0.00
CNTRL OBS	9	25		20	33		26	11	5
SHR	0.68	1.05		0.79	1.25		1.51	0.97	1.31
OTHER LYMPHOMA									
STUDY OBS	10	13		15	20		14	19	9
SHR	1.55	1.06		1.04	1.17		0.78	1.11	1.37
CNTRL OBS	28	60		50	58		67	72	28
SHR	1.18	1.35		0.96	0.96		1.06	1.18	1.19
MULTIPLE MYELOMA									
STUDY OBS	3	2		3	11		11	3	1
SHR	1.32	0.44		0.55	1.90		1.55	0.43	0.38
CNTRL OBS	12	11		15	17		28	29	4
SHR	1.46	0.68		0.79	0.86		1.16	1.21	0.45
DIGESTIVE ORGANS									
STUDY OBS	94	177		133	135		143	122	50
SHR	1.20	1.36		1.03	1.01		1.10	1.04	1.15
CNTRL OBS	329	494		469	503		443	424	161
SHR	1.15	1.05		1.03	1.09		0.99	1.04	1.07
STOMACH									
STUDY OBS	22	38		33	20		22	14	4
SHR	1.11	1.27		1.30	0.88		1.23	0.93	0.73
CNTRL OBS	84	104		110	93		59	56	21
SHR	1.20	0.99		1.26	1.21		0.98	1.08	1.11

Age at death: 40 to 59

Shippingport/Beaver Valley 1 (1957)  
Beaver, PA ; Hancock, WV

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
	1950-52	1953-57		1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM									
STUDY OBS	34	73		46	64	60	71	64	22
SMR	1.06	1.35		0.84	1.10	0.98	1.20	1.21	1.14
CNTRL OBS	135	221		191	207	220	225	214	85
SMR	1.13	1.11		0.96	1.01	1.04	1.09	1.15	1.25
LIVER (PRIMARY)									
STUDY OBS	16	22		16	15	8	8	2	5
SMR	1.66	1.44		1.13	1.16	0.84	1.14	0.31	2.00
CNTRL OBS	38	66		59	65	34	22	17	9
SMR	1.07	1.20		1.17	1.46	1.06	0.93	0.76	1.05
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	34	94		103	128	159	151	174	63
SMR	0.98	1.38		1.20	1.14	1.09	0.91	1.02	0.96
CNTRL OBS	116	233		320	393	486	513	562	224
SMR	0.94	0.97		1.06	1.01	0.98	0.90	0.94	0.97
BREAST (FEMALE)									
STUDY OBS	27	54		68	77	81	87	74	37
SMR	0.89	0.95		1.05	1.03	0.97	1.06	0.98	1.33
CNTRL OBS	135	175		223	304	316	318	259	101
SMR	1.13	0.81		0.94	1.14	1.08	1.10	0.96	1.01
THYROID									
STUDY OBS	1	3		1	1	1	1	0	1
SMR	0.96	1.73		0.62	0.65	0.68	0.75	0.00	2.55
CNTRL OBS	4	6		6	5	4	6	5	1
SMR	1.02	0.94		1.02	0.92	0.79	1.29	1.26	0.72
BONES & JOINTS									
STUDY OBS	2	4		1	0	3	1	1	0
SMR	0.98	1.23		0.35	0.00	1.20	0.47	0.71	0.00
CNTRL OBS	10	11		8	8	11	13	6	1
SMR	1.33	0.93		0.80	0.89	1.29	1.77	1.21	0.68
BLADDER									
STUDY OBS	3	9		5	6	9	7	9	2
SMR	0.60	1.14		0.69	0.82	1.21	1.00	1.53	0.96
CNTRL OBS	21	39		16	27	29	33	24	6
SMR	1.18	1.39		0.63	1.07	1.14	1.37	1.16	0.82
BRAIN & OTHER C.N.S.									
STUDY OBS	7	15		14	12	22	18	24	7
SMR	0.80	0.93		0.77	0.62	0.99	0.82	1.24	0.98
CNTRL OBS	21	44		49	72	57	86	64	23
SMR	0.65	0.75		0.75	1.05	0.74	1.12	0.93	0.90
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0		0	0	13	4	5	0
SMR	0.00	0.00		0.00	0.00	2.31	0.54	1.51	0.00
CNTRL OBS	0	0		0	0	27	33	6	1
SMR	0.00	0.00		0.00	0.00	1.41	1.30	0.52	0.49

Age at death: 60 plus		Shippingport/Beaver Valley 1 (1957) Beaver, PA ; Hancock, WV						
		YEARS BEFORE STARTUP		YEARS AFTER STARTUP				
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82
								1983-84
LEUKEMIA & ALEUKEMIA								
STUDY OBS	9	32	48	63	55	65	23	
SMR	0.58	0.98	1.02	1.22	0.98	1.03	0.83	
CNTRL OBS	62	135	184	185	182	244	112	
SMR	0.88	0.96	0.96	0.90	0.82	0.98	1.03	
ALL CANCER, EXCL LEUK								
STUDY OBS	513	1128	1257	1433	1660	1837	809	
SMR	1.09	1.25	1.08	1.11	1.12	1.06	1.07	
CNTRL OBS	2256	4239	4901	5424	5826	6913	3107	
SMR	1.05	1.08	1.05	1.07	1.02	1.03	1.06	
HODGKIN'S DISEASE								
STUDY OBS	2	9	3	8	10	7	3	
SMR	0.62	1.47	0.40	1.07	1.56	1.29	1.41	
CNTRL OBS	10	16	26	35	24	21	8	
SMR	0.71	0.62	0.88	1.20	0.96	0.99	0.96	
OTHER LYMPHOMA								
STUDY OBS	7	25	25	35	43	48	24	
SMR	0.83	1.36	0.82	0.96	1.00	0.89	0.98	
CNTRL OBS	51	78	137	147	157	211	103	
SMR	1.36	1.00	1.11	1.02	0.93	0.99	1.07	
MULTIPLE MYELOMA								
STUDY OBS	7	10	13	29	28	32	14	
SMR	2.05	1.21	0.86	1.50	1.15	1.07	1.05	
CNTRL OBS	12	37	61	66	98	123	53	
SMR	0.81	1.07	1.02	0.89	1.05	1.07	1.04	
DIGESTIVE ORGANS								
STUDY OBS	254	522	512	504	558	549	229	
SMR	1.20	1.35	1.17	1.13	1.19	1.08	1.06	
CNTRL OBS	1123	1917	1899	1926	1963	2084	961	
SMR	1.17	1.13	1.07	1.10	1.07	1.05	1.14	
STOMACH								
STUDY OBS	76	163	101	96	80	75	28	
SMR	1.24	1.58	1.19	1.30	1.19	1.16	1.06	
CNTRL OBS	367	509	383	328	283	269	130	
SMR	1.32	1.13	1.13	1.14	1.10	1.09	1.29	

Age at death: 60 plus

Shippingport/Beaver Valley 1 (1957)  
Beaver, PA ; Hancock, WV

		YEARS AFTER STARTUP					YEARS BEFORE STARTUP	
		1958-62	1963-67	1968-72	1973-77	1978-82	1983-84	
COLON & RECTUM	STUDY OBS		243	224	284	274	117	
	SMR	229	1.22	1.05	1.22	1.09	1.09	
	CNTRL OBS	813	837	925	985	1033	494	
	SMR	1.05	1.01	1.08	1.07	1.04	1.17	
LIVER (PRIMARY)	STUDY OBS		56	39	31	29	10	
	SMR	1.26	1.29	1.33	1.38	1.17	0.92	
	CNTRL OBS	228	237	119	108	103	42	
	SMR	1.12	1.35	1.04	1.25	1.09	1.02	
TRACHEA, BRONCHUS, LUNG	STUDY OBS		212	293	358	456	241	
	SMR	179	1.03	1.10	1.03	1.01	1.18	
	CNTRL OBS	570	805	1012	1310	1772	793	
	SMR	0.94	1.02	1.00	1.00	1.04	1.03	
BREAST (FEMALE)	STUDY OBS		68	81	120	128	56	
	SMR	0.96	0.84	0.87	1.10	0.99	0.98	
	CNTRL OBS	283	310	395	410	541	255	
	SMR	0.91	0.91	1.03	0.93	1.04	1.12	
THYROID	STUDY OBS		4	4	9	5	1	
	SMR	0.91	0.92	0.91	2.03	1.14	0.56	
	CNTRL OBS	18	16	17	21	26	3	
	SMR	0.96	0.89	0.97	1.19	1.49	0.42	
BONES & JOINTS	STUDY OBS		6	9	6	3	1	
	SMR	1.01	1.07	1.60	1.15	0.79	0.82	
	CNTRL OBS	26	24	26	22	9	0	
	SMR	1.05	1.07	1.18	1.08	0.61	0.00	
BLADDER	STUDY OBS		46	53	59	60	20	
	SMR	1.35	1.07	1.15	1.21	1.19	0.95	
	CNTRL OBS	177	172	214	202	202	96	
	SMR	1.05	0.99	1.18	1.06	1.02	1.16	
BRAIN & OTHER C.N.S.	STUDY OBS		12	12	25	29	20	
	SMR	0.35	0.86	0.59	0.89	0.84	1.32	
	CNTRL OBS	27	31	56	107	114	50	
	SMR	0.61	0.57	0.72	0.99	0.86	0.86	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS		0	10	26	5	1	
	SMR	0.00	0.00	1.05	1.64	0.50	0.40	
	CNTRL OBS	0	0	48	93	28	8	
	SMR	0.00	0.00	1.29	1.50	0.71	0.82	

Age at death: all

Shippingport/Beaver Valley 1 (1957)  
Beaver, PA ; Hancock, WV

	YEARS BEFORE STARTUP		YEARS AFTER STARTUP									
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82		1983-84			
LEUKEMIA & ALEUKEMIA												
STUDY	OBS	27	68		80	91		98		94		32
	SMR	0.72	0.95		0.97	1.04		1.11		1.01		0.83
CNTRL	OBS	148	258		292	326		312		360		151
	SMR	0.98	0.92		0.93	0.98		0.93		1.00		1.01
ALL CANCER, EXCL LEUK												
STUDY	OBS	834	1722		1747	1865		2131		2447		1046
	SMR	1.08	1.21		1.09	1.05		1.09		1.05		1.06
CNTRL	OBS	3415	6165		6549	7168		7745		9080		3937
	SMR	1.06	1.06		1.04	1.06		1.06		1.03		1.05
HODGKIN'S DISEASE												
STUDY	OBS	14	27		25	14		32		11		3
	SMR	1.27	1.36		1.17	0.64		1.58		0.92		0.68
CNTRL	OBS	31	73		81	89		85		64		18
	SMR	0.73	0.98		1.03	1.11		1.14		1.04		1.05
OTHER LYMPHOMA												
STUDY	OBS	20	43		44	51		55		67		34
	SMR	1.08	1.16		0.96	0.94		0.91		0.89		1.03
CNTRL	OBS	92	166		175	218		219		302		139
	SMR	1.24	1.14		0.99	1.06		0.95		1.04		1.09
MULTIPLE MYELOMA												
STUDY	OBS	10	12		10	24		34		35		15
	SMR	1.71	0.91		0.57	1.13		1.31		0.95		0.94
CNTRL	OBS	24	49		58	78		87		153		57
	SMR	1.01	0.94		0.85	0.97		0.90		1.10		0.95
DIGESTIVE ORGANS												
STUDY	OBS	356	717		685	655		668		675		284
	SMR	1.19	1.35		1.22	1.13		1.13		1.07		1.08
CNTRL	OBS	1493	2467		2434	2444		2460		2538		1133
	SMR	1.17	1.11		1.07	1.08		1.09		1.05		1.13
STOMACH												
STUDY	OBS	98	205		180	122		131		91		32
	SMR	1.18	1.51		1.45	1.12		1.37		1.13		0.99
CNTRL	OBS	459	629		586	481		421		329		153
	SMR	1.30	1.12		1.18	1.14		1.17		1.08		1.26



Age at death: all  
Shippingport/Beaver Valley 1 (1957)  
Beaver, PA ; Hancock, WV

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP			
	1950-52	1953-57		1958-62	1963-67	1968-72	
COLON & RECTUM							1983-84
	141	294		280	312	287	
	1.17	1.33		1.15	1.19	1.03	340
	588	1034		1034	1057	1160	1.10
LIVER (PRIMARY)	1.12	1.11		1.04	1.02	1.07	1262
							1.06
	50	76		79	71	48	31
	1.38	1.21		1.23	1.23	1.20	0.96
CNTR	185	308		292	308	160	1.16
	1.18	1.17		1.13	1.37	1.06	126
							1.04
							1.01
TRACHEA, BRONCHUS, LUNG	96	230		288	348	456	636
	1.12	1.27		1.17	1.07	1.09	1.01
	289	684		906	1216	1515	2347
	0.86	0.98		0.98	1.02	0.99	1.01
BREAST (FEMALE)	56	127		148	156	168	207
	0.83	0.99		1.02	0.95	0.91	0.97
	278	493		542	639	736	832
	0.95	0.93		0.93	1.00	1.05	1.02
THYROID	1	10		7	5	5	6
	0.30	1.65		1.11	0.81	0.83	1.07
	20	28		28	23	23	32
	1.40	1.10		1.10	0.95	0.99	1.46
BONES & JOINTS	9	18		8	11	14	7
	1.15	1.38		0.67	0.98	1.26	0.94
	39	51		44	48	48	23
	1.22	0.99		0.96	1.13	1.15	0.81
BLADDER	29	49		59	52	62	69
	1.21	1.12		1.24	1.03	1.16	1.22
	121	217		194	199	243	226
	1.16	1.17		1.00	0.99	1.17	1.03
BRAIN & OTHER C.N.S.	20	33		25	37	43	61
	1.00	0.88		0.58	0.83	0.82	0.99
	51	119		132	144	138	211
	0.68	0.86		0.84	0.88	0.72	0.91
BENIGN & UNSPEC NEOPLASMS	0	0		0	0	25	11
	0.00	0.00		0.00	0.00	1.42	0.75
	0	0		0	0	90	38
	0.00	0.00		0.00	0.00	1.38	0.68



Table 2-B.2

Age at death: under 10	Dresden 1,2,3 (1960) Grundy, IL ; Will, IL									
	YEARS BEFORE STARTUP			YEARS AFTER STARTUP						
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84		
LEUKEMIA & ALEUKEMIA										
STUDY OBS	1	5	13							
SMR	0.77	0.63	1.27							
CNTRL OBS	3	25	27							
SMR	0.95	1.35	1.18							
ALL CANCER, EXCL LEUK										
STUDY OBS	0	7	15							
SMR	0.00	0.84	1.41							
CNTRL OBS	3	21	20							
SMR	0.91	1.08	0.85							
HODGKIN'S DISEASE										
STUDY OBS	0	0	1							
SMR	0.00	0.00	6.13							
CNTRL OBS	0	0	1							
SMR	0.00	0.00	2.73							
OTHER LYMPHOMA										
STUDY OBS	0	2	1							
SMR	0.00	1.72	0.66							
CNTRL OBS	0	2	2							
SMR	0.00	0.74	0.59							
MULTIPLE MYELOMA										
STUDY OBS	0	0	0							
SMR	0.00	0.00	0.00							
CNTRL OBS	0	0	0							
SMR	0.00	0.00	0.00							
DIGESTIVE ORGANS										
STUDY OBS	0	1	1							
SMR	0.00	2.07	1.81							
CNTRL OBS	0	1	1							
SMR	0.00	0.90	0.83							
STOMACH										
STUDY OBS	0	0	0							
SMR	0.00	0.00	0.00							
CNTRL OBS	0	0	0							
SMR	0.00	0.00	0.00							

Age at death: under 10

Dresden 1,2,3 (1960)  
Grundy, IL ; Will, IL

	YEARS AFTER STARTUP					YEARS BEFORE STARTUP				
	1961-65	1966-70	1971-75	1976-80	1981-84	1951-55	1956-60	1950-50		
COLON & RECTUM										
STUDY OBS	0	0	0	0	0	1	0	0		
SMR	14.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
CNTRL OBS	0	0	0	0	0	0	0	0		
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
LIVER (PRIMARY)										
STUDY OBS	0	1	1	0	1	0	1	0		
SMR	0.00	3.31	3.03	0.00	3.21	0.00	3.27	0.00		
CNTRL OBS	1	0	2	1	1	0	1	0		
SMR	1.30	0.00	3.32	1.84	1.92	0.00	1.48	0.00		
TRACHEA, BRONCHUS, LUNG										
STUDY OBS	0	0	0	0	0	0	0	0		
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
CNTRL OBS	0	0	0	0	0	0	0	0		
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
BREAST (FEMALE)										
STUDY OBS	0	0	0	0	0	0	0	0		
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
CNTRL OBS	0	0	0	0	0	0	0	0		
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
THYROID										
STUDY OBS	0	0	0	0	0	0	0	0		
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
CNTRL OBS	0	0	0	0	0	0	0	0		
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
BONES & JOINTS										
STUDY OBS	2	0	1	0	0	0	0	0		
SMR	5.33	0.00	3.12	0.00	0.00	0.00	0.00	0.00		
CNTRL OBS	0	0	0	1	0	3	0	1		
SMR	0.00	0.00	0.00	2.05	0.00	4.03	0.00	7.83		
BLADDER										
STUDY OBS	0	0	0	0	0	0	1	0		
SMR	0.00	0.00	0.00	0.00	0.00	0.00	16.92	0.00		
CNTRL OBS	0	0	0	0	0	1	0	0		
SMR	6.89	0.00	0.00	0.00	0.00	6.89	0.00	0.00		
BRAIN & OTHER C.N.S.										
STUDY OBS	6	3	5	5	5	2	10	0		
SMR	1.27	0.75	1.48	1.67	2.10	0.61	2.28	0.00		
CNTRL OBS	13	6	6	6	13	8	6	1		
SMR	1.29	0.74	0.97	1.19	3.26	1.05	0.61	0.78		
BENIGN & UNSPEC NEOPLASMS										
STUDY OBS	0	0	1	3	0	0	0	0		
SMR	0.00	0.00	0.68	3.04	0.00	0.00	0.00	0.00		
CNTRL OBS	0	1	2	1	1	0	0	0		
SMR	0.00	1.64	0.74	0.62	2.06	0.00	0.00	0.00		

Table 2-B.2

Age at death: 10 to 19		Dresden 1,2,3 (1960) Grundy, IL ; Will, IL									
		YEARS AFTER STARTUP									
		YEARS BEFORE STARTUP									
		1950-50	1951-55	1956-60			1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA											
STUDY	OBS	0	5	5			2	2	5	7	1
	SMR	0.00	1.79	1.36			0.42	0.35	0.81	1.21	0.26
CNTRL	OBS	0	6	12			11	15	15	9	7
	SMR	0.00	0.92	1.40			1.05	1.25	1.24	0.84	0.98
ALL CANCER, EXCL LEUK											
STUDY	OBS	0	4	11			6	15	10	10	4
	SMR	0.00	0.75	1.59			0.68	1.40	0.89	0.97	0.57
CNTRL	OBS	1	9	21			25	18	22	21	12
	SMR	0.49	0.73	1.31			1.27	0.79	1.00	1.12	0.94
HODGKIN'S DISEASE											
STUDY	OBS	0	1	0			0	2	0	0	1
	SMR	0.00	1.77	0.00			0.00	1.90	0.00	0.00	2.24
CNTRL	OBS	0	0	1			3	2	1	2	1
	SMR	0.00	0.00	0.57			1.34	0.88	0.60	1.67	1.20
OTHER LYMPHOMA											
STUDY	OBS	0	0	2			0	0	2	2	0
	SMR	0.00	0.00	1.92			0.00	0.00	1.21	1.35	0.00
CNTRL	OBS	0	1	4			4	4	5	1	2
	SMR	0.00	0.60	1.65			1.32	1.15	1.54	0.36	1.12
MULTIPLE MYELOMA											
STUDY	OBS	0	0	0			0	0	0	0	0
	SMR	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0			0	0	0	0	0
	SMR	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS											
STUDY	OBS	0	0	0			0	0	0	0	0
	SMR	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	2			1	0	3	1	0
	SMR	0.00	0.00	2.74			1.19	0.00	3.22	1.11	0.00
STOMACH											
STUDY	OBS	0	0	0			0	0	0	0	0
	SMR	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0			0	0	0	0	0
	SMR	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00

Age at death: 10 to 19

Dresden 1,2,3 (1960)  
Grundy, IL ; Will, IL

		YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84	
COLON & RECTUM										
STUDY	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL										
	OBS	0	0	0	0	0	1	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	3.26	0.00	0.00	
LIVER (PRIMARY)										
STUDY	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL										
	OBS	0	0	1	1	0	2	1	0	
	SMR	0.00	0.00	3.97	3.23	0.00	5.71	2.47	0.00	
TRACHEA, BRONCHUS, LUNG										
STUDY	OBS	0	0	0	0	1	0	0	0	
	SMR	0.00	0.00	0.00	0.00	9.49	0.00	0.00	0.00	
CNTRL										
	OBS	0	0	0	0	1	0	0	1	
	SMR	0.00	0.00	0.00	0.00	4.44	0.00	0.00	9.30	
BREAST (FEMALE)										
STUDY	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL										
	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
THYROID										
STUDY	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL										
	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BONES & JOINTS										
STUDY	OBS	0	1	3	2	4	3	3	2	
	SMR	0.00	0.98	2.33	1.25	2.00	1.40	1.64	1.62	
CNTRL										
	OBS	1	3	3	7	3	4	3	1	
	SMR	2.54	1.27	1.01	1.97	0.71	0.95	0.89	0.44	
BLADDER										
STUDY	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL										
	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BRAIN & OTHER C.N.S.										
STUDY	OBS	0	1	3	1	2	3	1	1	
	SMR	0.00	0.75	1.68	0.44	0.78	1.01	0.37	0.56	
CNTRL										
	OBS	0	1	4	8	3	8	6	4	
	SMR	0.00	0.32	0.97	1.58	0.56	1.38	1.22	1.22	
BENIGN & UNSPEC NEOPLASMS										
STUDY	OBS	0	0	0	0	0	1	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.89	0.00	0.00	
CNTRL										
	OBS	0	0	0	0	0	2	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.00	

Table 2-B.2

Age at death: 20 to 39		Dresden 1,2,3 (1960) Grundy, IL ; Will, IL									
		YEARS BEFORE STARTUP					YEARS AFTER STARTUP				
		1950-50	1951-55	1956-60			1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA	STUDY OBS	3	1	5			7	4	4	13	10
	SMR	2.75	0.17	0.76			1.00	0.54	0.46	1.25	1.10
	CNTRL OBS	3	7	9			18	20	16	18	7
ALL CANCER, EXCL LEUK	STUDY OBS	1.29	0.57	0.67			1.30	1.38	1.01	1.00	0.44
	SMR										
	CNTRL OBS										
HODGKIN'S DISEASE	STUDY OBS	12	40	59			53	64	76	89	61
	SMR	1.21	0.75	1.01			0.85	1.00	1.09	1.11	0.86
	CNTRL OBS	26	100	132			123	118	124	133	124
OTHER LYMPHOMA	STUDY OBS	1.24	0.91	1.12			1.00	0.95	0.98	0.98	1.02
	SMR										
	CNTRL OBS										
MULTIPLE MYELOMA	STUDY OBS	0	1	6			5	5	6	7	4
	SMR	0.00	0.22	1.13			0.83	0.79	0.99	1.32	1.02
	CNTRL OBS	2	9	7			11	8	12	11	9
DIGESTIVE ORGANS	STUDY OBS	1.10	0.94	0.65			0.90	0.63	1.05	1.18	1.28
	SMR										
	CNTRL OBS										
STOMACH	STUDY OBS	0	3	3			5	3	4	6	4
	SMR	0.00	1.07	0.94			1.36	0.77	0.92	1.14	0.81
	CNTRL OBS	2	6	12			6	5	14	10	9
OTHER LYMPHOMA	STUDY OBS	1.84	1.04	1.88			0.83	0.66	1.75	1.10	1.05
	SMR										
	CNTRL OBS										
MULTIPLE MYELOMA	STUDY OBS	0	1	0			0	0	0	1	0
	SMR	0.00	4.28	0.00			0.00	0.00	0.00	2.68	0.00
	CNTRL OBS	0	0	0			1	1	0	0	1
DIGESTIVE ORGANS	STUDY OBS	0.00	0.00	0.00			1.94	1.95	0.00	0.00	1.88
	SMR										
	CNTRL OBS										
STOMACH	STUDY OBS	1	11	14			10	13	9	11	6
	SMR	0.51	1.06	1.32			0.96	1.29	0.84	0.91	0.57
	CNTRL OBS	8	23	30			21	21	14	17	23
STOMACH	STUDY OBS	2.00	1.10	1.45			1.07	1.13	0.76	0.87	1.34
	SMR										
	CNTRL OBS										
STOMACH	STUDY OBS	0	2	1			1	3	1	1	1
	SMR	0.00	0.83	0.43			0.47	1.65	0.54	0.50	0.57
	CNTRL OBS	0	6	6			5	2	1	1	4
STOMACH	STUDY OBS	0.00	1.27	1.36			1.29	0.61	0.32	0.32	1.44
	SMR										
	CNTRL OBS										

Dresden 1,2,3 (1960)  
Grundy, IL ; Mill, IL

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP				
	1950-50	1951-55	1956-60		1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM									
STUDY OBS	1	6	9		6	6	2	3	5
SMR	1.04	1.18	1.75		1.21	1.23	0.39	0.51	1.02
CNTRL OBS	5	10	11		10	9	8	10	10
SMR	2.48	0.95	1.07		1.04	0.98	0.88	1.03	1.22
LIVER (PRIMARY)									
STUDY OBS	0	2	1		0	1	2	3	0
SMR	0.00	1.82	0.91		0.00	0.98	1.97	2.34	0.00
CNTRL OBS	2	1	6		4	5	1	1	4
SMR	4.93	0.48	2.97		2.10	2.78	0.60	0.52	2.14
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	0	3	1		3	3	9	6	7
SMR	0.00	0.93	0.23		0.55	0.48	1.25	0.75	1.07
CNTRL OBS	0	7	7		9	10	13	11	12
SMR	0.00	1.10	0.83		0.88	0.87	1.05	0.84	1.07
BREAST (FEMALE)									
STUDY OBS	2	8	6		4	11	12	20	14
SMR	1.58	1.17	0.78		0.49	1.31	1.24	1.68	1.20
CNTRL OBS	0	15	15		24	20	14	25	21
SMR	0.00	1.01	0.91		1.40	1.19	0.78	1.22	1.06
THYROID									
STUDY OBS	0	0	0		0	0	2	0	0
SMR	0.00	0.00	0.00		0.00	0.00	10.04	0.00	0.00
CNTRL OBS	0	0	1		1	0	1	0	0
SMR	0.00	0.00	2.41		2.40	0.00	2.78	0.00	0.00
BONES & JOINTS									
STUDY OBS	1	0	3		1	1	2	1	3
SMR	4.96	0.00	2.83		0.95	0.92	1.47	0.62	2.28
CNTRL OBS	0	2	3		2	3	1	4	2
SMR	0.00	0.91	1.40		0.95	1.39	0.40	1.41	0.85
BLADDER									
STUDY OBS	0	1	0		1	0	0	1	0
SMR	0.00	3.31	0.00		3.93	0.00	0.00	4.28	0.00
CNTRL OBS	0	0	0		1	1	0	0	0
SMR	0.00	0.00	0.00		2.14	2.35	0.00	0.00	0.00
BRAIN & OTHER C.N.S.									
STUDY OBS	1	2	5		6	2	10	8	6
SMR	1.16	0.43	0.95		1.08	0.36	1.46	1.05	0.90
CNTRL OBS	1	2	15		11	8	12	15	9
SMR	0.55	0.21	1.39		0.99	0.73	0.95	1.12	0.75
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0		0	0	4	0	0
SMR	0.00	0.00	0.00		0.00	0.00	1.47	0.00	0.00
CNTRL OBS	0	0	0		0	0	3	5	0
SMR	0.00	0.00	0.00		0.00	0.00	0.62	1.48	0.00



Table 2-B.2

Age at death: 40 to 59		Dresden 1,2,3 (1960) Grundy, IL ; Will, IL									
		YEARS BEFORE STARTUP					YEARS AFTER STARTUP				
		1950-50	1951-55	1956-60			1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA											
STUDY	OBS	4	10	13			15	18	29	17	13
	SMR	1.62	0.77	0.92			0.98	1.10	1.72	0.95	0.91
CNTRL	OBS	4	20	35			41	29	32	46	33
	SMR	0.74	0.70	1.13			1.24	0.83	0.92	1.29	1.14
ALL CANCER, EXCL LEUK											
STUDY	OBS	58	329	356			385	478	556	621	466
	SMR	0.90	0.97	0.96			0.91	0.98	1.03	1.08	1.03
CNTRL	OBS	126	689	733			840	910	1079	1119	913
	SMR	0.89	0.92	0.89			0.92	0.88	0.97	0.97	0.99
HODGKIN'S DISEASE											
STUDY	OBS	1	4	8			10	2	5	5	0
	SMR	1.04	0.78	1.39			1.60	0.30	0.88	1.28	0.00
CNTRL	OBS	2	11	11			16	10	7	10	3
	SMR	0.97	0.99	0.87			1.19	0.71	0.61	1.28	0.58
OTHER LYMPHOMA											
STUDY	OBS	2	12	19			18	22	19	19	18
	SMR	1.17	1.29	1.68			1.32	1.36	1.11	1.08	1.23
CNTRL	OBS	1	22	20			26	32	33	46	33
	SMR	0.27	1.08	0.80			0.87	0.92	0.93	1.28	1.09
MULTIPLE MYELOMA											
STUDY	OBS	0	3	4			3	3	10	5	7
	SMR	0.00	0.91	0.94			0.61	0.57	1.58	0.69	1.21
CNTRL	OBS	0	6	10			11	10	17	14	7
	SMR	0.00	0.84	1.09			1.06	0.92	1.33	0.99	0.62
DIGESTIVE ORGANS											
STUDY	OBS	19	100	105			109	127	129	135	98
	SMR	0.92	0.93	0.98			0.97	1.07	1.06	1.08	1.02
CNTRL	OBS	41	230	216			223	261	241	241	197
	SMR	0.92	0.99	0.93			0.93	1.04	0.97	0.98	1.03
STOMACH											
STUDY	OBS	4	28	25			17	17	17	14	16
	SMR	0.78	1.08	1.13			0.85	0.91	0.96	0.84	1.28
CNTRL	OBS	9	54	42			30	44	39	30	18
	SMR	0.83	0.98	0.89			0.71	1.14	1.11	0.93	0.74

Age at death: 40 to 59

Dresden 1,2,3 (1960)  
Grundy, IL ; Will, IL

	YEARS AFTER STARTUP				YEARS BEFORE STARTUP			
	1961-65	1966-70	1971-75	1976-80	1981-84	1950-50	1951-55	1956-60
COLON & RECTUM								
STUDY OBS	58	60	58	67	54	9	41	42
SMR	1.21	1.15	1.07	1.20	1.30	1.06	0.92	0.93
CNTRL OBS	99	113	124	114	97	22	100	95
SMR	0.94	1.01	1.09	1.01	1.13	1.17	1.01	0.94
LIVER (PRIMARY)								
STUDY OBS	11	13	10	7	5	5	10	14
SMR	0.94	1.33	1.46	1.02	0.87	1.97	0.77	1.17
CNTRL OBS	36	21	12	10	9	4	37	22
SMR	1.44	1.03	0.89	0.76	0.82	0.72	1.30	0.84
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	69	106	153	215	173	8	45	52
SMR	0.80	0.91	1.03	1.23	1.20	0.88	0.90	0.79
CNTRL OBS	150	195	280	328	259	10	66	114
SMR	0.81	0.80	0.93	0.94	0.88	0.51	0.61	0.80
BREAST (FEMALE)								
STUDY OBS	51	72	82	85	59	3	45	45
SMR	0.88	1.06	1.12	1.12	1.00	0.37	1.02	0.90
CNTRL OBS	132	142	160	156	135	13	103	117
SMR	1.01	0.95	1.02	0.99	1.10	0.69	1.02	1.02
THYROID								
STUDY OBS	1	1	0	2	1	1	0	2
SMR	0.75	0.77	0.00	1.61	1.15	3.61	0.00	1.44
CNTRL OBS	4	2	1	2	4	1	1	6
SMR	1.38	0.72	0.38	0.80	2.26	1.62	0.31	1.94
BONES & JOINTS								
STUDY OBS	2	2	8	1	1	0	0	8
SMR	0.89	0.91	3.72	0.55	1.03	0.00	0.00	3.19
CNTRL OBS	1	1	4	3	4	2	8	1
SMR	0.21	0.21	0.91	0.83	2.06	1.71	1.33	0.18
BLADDER								
STUDY OBS	7	4	6	4	6	3	5	7
SMR	1.13	0.62	0.91	0.63	1.34	2.32	0.75	1.13
CNTRL OBS	15	12	14	18	11	5	16	13
SMR	1.14	0.88	1.04	1.40	1.19	1.79	1.11	0.96
BRAIN & OTHER C.N.S.								
STUDY OBS	12	9	14	18	12	2	13	16
SMR	0.73	0.50	0.66	0.87	0.75	0.86	1.04	1.11
CNTRL OBS	30	39	43	42	31	3	21	28
SMR	0.84	1.01	0.97	0.99	0.94	0.59	0.76	0.88
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	2	10	0	1	0	0	0
SMR	0.00	1.22	1.25	0.00	0.74	0.00	0.00	0.00
CNTRL OBS	0	4	12	9	5	0	0	0
SMR	0.00	1.16	0.73	0.86	1.89	0.00	0.00	0.00

Table 2-B.2

Age at death: 60 plus		Dresden 1,2,3 (1960) Grundy, IL ; Will, IL									
		YEARS BEFORE STARTUP			YEARS AFTER STARTUP						
	1950-50	1951-55	1956-60		1961-65	1966-70	1971-75	1976-80	1981-84		
LEUKEMIA & ALEUKEMIA											
STUDY OBS	7	26	27		38	44	46	49	51		
SMR	1.53	1.02	0.82		0.98	1.00	0.96	0.88	1.00		
CNTRL OBS	11	78	98		108	112	130	137	123		
SMR	0.96	1.20	1.16		1.08	0.98	1.07	1.01	1.00		
ALL CANCER, EXCL LEUK											
STUDY OBS	145	765	916		957	1079	1260	1511	1381		
SMR	1.04	1.01	1.06		1.00	1.00	1.02	1.02	1.00		
CNTRL OBS	344	1843	2150		2487	2697	3001	3634	3247		
SMR	0.98	0.96	0.98		1.01	0.98	0.97	1.02	1.00		
HODGKIN'S DISEASE											
STUDY OBS	0	2	1		10	6	5	7	5		
SMR	0.00	0.40	0.17		1.61	0.91	0.79	1.35	1.29		
CNTRL OBS	2	13	23		15	19	19	15	3		
SMR	0.87	1.04	1.59		0.95	1.14	1.21	1.21	0.33		
OTHER LYMPHOMA											
STUDY OBS	4	12	20		31	33	36	46	41		
SMR	1.63	0.86	1.05		1.27	1.09	1.00	1.02	0.91		
CNTRL OBS	2	40	47		55	77	83	113	129		
SMR	0.33	1.14	0.97		0.89	1.00	0.92	1.04	1.20		
MULTIPLE MYELOMA											
STUDY OBS	0	2	7		12	11	14	16	21		
SMR	0.00	0.35	0.77		1.02	0.73	0.71	0.63	0.86		
CNTRL OBS	1	11	25		27	33	36	84	49		
SMR	0.42	0.77	1.10		0.91	0.87	0.74	1.40	0.87		
DIGESTIVE ORGANS											
STUDY OBS	61	359	387		394	403	424	512	438		
SMR	0.97	1.07	1.08		1.05	1.04	1.04	1.12	1.10		
CNTRL OBS	177	842	948		977	971	1001	1165	936		
SMR	1.12	0.99	1.03		1.01	0.98	0.98	1.07	0.99		
STOMACH											
STUDY OBS	16	126	112		108	89	71	76	64		
SMR	0.89	1.34	1.31		1.41	1.33	1.17	1.27	1.32		
CNTRL OBS	49	231	221		184	171	150	145	94		
SMR	1.08	0.97	1.00		0.93	1.00	0.99	1.02	0.83		

Age at death: 60 plus

Dresden 1,2,3 (1960)  
Grundy, IL ; Will, IL

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP					
	1950-50	1951-55	1956-60		1961-65	1966-70	1971-75	1976-80		1981-84
COLON & RECTUM										
STUDY	28	131	162		179	183	198	265		216
OBS	1.10	0.95	1.05		1.06	1.00	0.98	1.16		1.09
SMR	77	365	435		468	465	522	596		503
CNTRL	1.20	1.04	1.09		1.07	0.98	1.02	1.08		1.06
LIVER (PRIMARY)										
STUDY	6	32	41		37	36	26	21		20
OBS	0.78	0.78	0.98		0.90	1.14	1.32	0.98		1.01
SMR	21	102	123		111	81	44	44		46
CNTRL	1.09	0.98	1.14		1.05	1.01	0.90	0.87		1.00
TRACHEA, BRONCHUS, LUNG										
STUDY	13	84	114		141	187	253	331		364
OBS	0.97	1.09	1.02		0.92	0.91	0.94	0.91		1.00
SMR	21	139	235		339	440	577	783		773
CNTRL	0.63	0.73	0.85		0.89	0.86	0.87	0.91		0.91
BREAST (FEMALE)										
STUDY	14	45	91		58	85	116	110		111
OBS	1.40	0.81	1.44		0.82	1.05	1.20	0.95		1.04
SMR	22	154	145		224	255	270	324		285
CNTRL	0.86	1.09	0.89		1.23	1.23	1.14	1.19		1.13
THYROID										
STUDY	1	2	4		2	2	3	6		3
OBS	1.56	0.57	1.03		0.51	0.52	0.73	1.42		0.89
SMR	3	12	18		10	10	16	16		9
CNTRL	1.85	1.35	1.80		0.99	1.01	1.57	1.58		1.12
BONES & JOINTS										
STUDY	5	8	3		3	6	4	6		2
OBS	4.39	1.35	0.56		0.62	1.23	0.82	1.42		0.89
SMR	3	18	14		9	12	8	8		4
CNTRL	1.05	1.20	1.02		0.73	0.96	0.65	0.79		0.75
BLADDER										
STUDY	5	33	41		38	41	46	39		42
OBS	0.90	1.10	1.24		1.07	1.06	1.10	0.85		1.09
SMR	20	85	90		117	113	112	137		101
CNTRL	1.43	1.11	1.05		1.26	1.13	1.04	1.21		1.08
BRAIN & OTHER C.N.S.										
STUDY	1	2	6		5	14	21	34		18
OBS	0.87	0.31	0.70		0.45	0.96	0.94	1.17		0.67
SMR	0	13	25		31	36	60	69		68
CNTRL	0.00	0.83	1.19		1.14	1.00	1.10	1.00		1.07
BENIGN & UNSPEC NEOPLASMS										
STUDY	0	0	0		0	2	24	11		4
OBS	0.00	0.00	0.00		0.00	0.73	1.67	0.85		0.86
SMR	0	0	0		0	5	45	33		11
CNTRL	0.00	0.00	0.00		0.00	0.72	1.25	1.07		1.01

Table 2-B.2

Age at death: all		Dresden 1,2,3 (1960) Grundy, IL ; Will, IL									
		YEARS BEFORE STARTUP			YEARS AFTER STARTUP						
	1950-50	1951-55	1956-60		1961-65	1966-70	1971-75	1976-80	1981-84		
LEUKEMIA & ALEUKEMIA											
STUDY OBS	15	47	63		70	79	93	89	76		
SMR	1.52	0.85	0.94		0.91	0.94	1.06	0.93	0.93		
CNTRL OBS	21	136	181		203	199	205	223	175		
SMR	0.90	1.04	1.13		1.12	1.01	1.03	1.06	0.97		
ALL CANCER, EXCL LEUK											
STUDY OBS	215	1145	1357		1415	1651	1912	2241	1923		
SMR	0.99	0.98	1.04		0.97	1.00	1.03	1.04	1.00		
CNTRL OBS	500	2662	3056		3502	3765	4245	4927	4317		
SMR	0.96	0.94	0.96		0.99	0.95	0.97	1.01	1.00		
HODGKIN'S DISEASE											
STUDY OBS	1	8	16		25	15	16	19	10		
SMR	0.35	0.52	0.90		1.27	0.72	0.84	1.26	0.92		
CNTRL OBS	6	33	43		46	39	39	38	16		
SMR	0.93	0.94	1.07		1.05	0.85	0.96	1.23	0.72		
OTHER LYMPHOMA											
STUDY OBS	6	29	45		57	63	62	75	63		
SMR	1.20	1.04	1.24		1.28	1.18	1.03	1.07	0.95		
CNTRL OBS	5	71	85		91	120	138	171	176		
SMR	0.43	1.08	0.99		0.86	0.96	0.99	1.08	1.18		
MULTIPLE MYELOMA											
STUDY OBS	0	6	11		15	14	24	22	28		
SMR	0.00	0.65	0.81		0.89	0.68	0.91	0.67	0.92		
CNTRL OBS	1	17	35		39	44	53	98	57		
SMR	0.27	0.78	1.08		0.96	0.89	0.86	1.31	0.83		
DIGESTIVE ORGANS											
STUDY OBS	81	471	507		513	544	563	658	543		
SMR	0.95	1.04	1.07		1.03	1.05	1.04	1.11	1.07		
CNTRL OBS	226	1096	1197		1223	1255	1262	1425	1157		
SMR	1.09	0.99	1.02		1.00	0.99	0.98	1.05	1.00		
STOMACH											
STUDY OBS	20	156	138		126	109	89	91	81		
SMR	0.85	1.28	1.25		1.28	1.25	1.11	1.16	1.29		
CNTRL OBS	58	291	269		219	217	190	176	116		
SMR	1.02	0.98	0.99		0.90	1.02	1.00	0.99	0.83		



Age at death: all

Dresden 1,2,3 (1960)  
Grundy, IL ; Will, IL

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP					
	1950-50	1951-55	1956-60		1961-65	1966-70	1971-75	1976-80		1981-84
COLON & RECTUM										
STUDY OBS	38	179	213		243	249	258	335		275
SMR	1.09	0.95	1.04		1.09	1.04	0.99	1.15		1.12
CNTRL OBS	104	475	541		577	587	655	720		610
SMR	1.22	1.03	1.06		1.04	0.99	1.03	1.06		1.07
LIVER (PRIMARY)										
STUDY OBS	11	44	57		48	51	39	31		26
SMR	1.05	0.80	1.03		0.88	1.19	1.39	1.03		0.95
CNTRL OBS	27	140	153		153	107	61	57		60
SMR	1.06	1.04	1.12		1.15	1.03	0.94	0.86		1.01
TRACHEA, BRONCHUS, LUNG										
STUDY OBS	21	132	167		213	297	415	552		544
SMR	0.91	1.01	0.92		0.87	0.91	0.98	1.01		1.06
CNTRL OBS	31	212	356		498	646	870	1122		1045
SMR	0.58	0.70	0.83		0.87	0.84	0.89	0.92		0.91
BREAST (FEMALE)										
STUDY OBS	19	98	142		113	168	210	215		184
SMR	0.98	0.92	1.17		0.82	1.07	1.17	1.05		1.04
CNTRL OBS	35	272	277		380	417	444	505		441
SMR	0.74	1.06	0.94		1.15	1.11	1.08	1.12		1.12
THYROID										
STUDY OBS	2	2	6		3	3	5	8		4
SMR	2.09	0.39	1.09		0.55	0.55	0.90	1.41		0.90
CNTRL OBS	4	13	25		15	12	18	18		13
SMR	1.73	1.04	1.84		1.11	0.91	1.36	1.39		1.28
BONES & JOINTS										
STUDY OBS	6	9	17		10	13	18	11		8
SMR	2.85	0.81	1.60		0.99	1.23	1.66	1.13		1.34
CNTRL OBS	7	34	21		19	19	17	19		11
SMR	1.40	1.29	0.83		0.80	0.78	0.71	0.93		0.90
BLADDER										
STUDY OBS	8	39	49		46	45	52	44		48
SMR	1.16	1.05	1.24		1.09	0.99	1.07	0.84		1.11
CNTRL OBS	25	102	103		133	126	126	155		112
SMR	1.48	1.11	1.03		1.24	1.10	1.04	1.22		1.08
BRAIN & OTHER C.N.S.										
STUDY OBS	4	20	40		30	30	53	66		42
SMR	0.79	0.71	1.16		0.75	0.67	0.93	1.04		0.78
CNTRL OBS	5	45	78		93	92	129	138		125
SMR	0.43	0.71	1.00		1.04	0.93	1.04	1.02		1.08
BENIGN & UNSPEC NEOPLASMS										
STUDY OBS	0	0	0		0	4	40	14		5
SMR	0.00	0.00	0.00		0.00	0.74	1.44	0.64		0.71
CNTRL OBS	0	0	0		0	10	64	48		17
SMR	0.00	0.00	0.00		0.00	0.81	1.03	1.01		1.12



Age at death: under 10

Yankee-Rowe 1 (1960)  
Berkshire, MA ; Franklin, MA

YEARS BEFORE STARTUP										YEARS AFTER STARTUP																																							
1950-50										1951-55				1956-60				1961-65				1966-70				1971-75				1976-80				1981-84															
LEUKEMIA & ALEUKEMIA										STUDY OBS				11				8				6				10				3				1				0											
										SMR				1.31				0.88				0.70				1.44				0.62				0.34				0.00											
										CNTRL OBS				21				23				21				19				13				7				9											
ALL CANCER, EXCL LEUK										SMR				0.85				0.85				0.77				0.79				0.72				0.59				1.23											
										STUDY OBS				11				5				5				7				8				3				4											
										SMR				1.25				0.54				0.59				1.01				1.54				0.80				1.41											
HODGKIN'S DISEASE										CNTRL OBS				25				24				22				22				17				16				12											
										SMR				0.97				0.87				0.82				0.91				0.86				1.04				0.99											
										STUDY OBS				0				0				0				0				2				0				0											
OTHER LYMPHOMA										SMR				0.00				0.00				0.00				21.49				0.00				0.00				0.00											
										CNTRL OBS				0				2				0				0				0				0				1				0							
										SMR				0.00				4.64				0.00				0.00				0.00				10.17				0.00											
MULTIPLE MYELOMA										STUDY OBS				2				0				0				0				1				3				0				0							
										SMR				1.63				0.00				0.00				0.00				1.12				4.78				0.00				0.00							
										CNTRL OBS				5				9				2				1				1				1				1				1							
DIGESTIVE ORGANS										SMR				1.39				2.27				0.53				0.32				0.42				0.62				0.90											
										STUDY OBS				0				0				0				0				0				0				0				0							
										SMR				0.00				0.00				0.00				0.00				0.00				0.00				0.00				0.00							
STOMACH										CNTRL OBS				0				0				0				0				0				0				0				0							
										SMR				3.98				0.00				0.00				0.00				3.19				0.00				5.50				5.96							
										STUDY OBS				2				0				0				0				1				0				1				1							
										CNTRL OBS				1				0				0				0				0				0				0				0							
										SMR				0.68				0.00				0.00				0.00				0.00				0.00				0.00				1.39							
										STUDY OBS				1				0				0				0				0				0				0				0				0			
										SMR				31.25				0.00				0.00				0.00				0.00				0.00				0.00				0.00							
										CNTRL OBS				0				0				0				0				0				0				0				0				0			
										SMR				0.00				0.00				0.00				0.00				0.00				0.00				0.00				0.00				0.00			

Age at death: under 10

Yankee-Rowe 1 (1960)  
Berkshire, MA ; Franklin, MA

		YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84	
COLON & RECTUM										
STUDY	OBS	0	0	0	0	1	0	0	0	
	SMR	0.00	0.00	0.00	0.00	48.59	0.00	0.00	0.00	
CNTRL	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
LIVER (PRIMARY)										
STUDY	OBS	0	0	0	0	0	0	1	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	7.05	0.00	
CNTRL	OBS	0	1	0	0	0	0	0	1	
	SMR	0.00	1.35	0.00	0.00	0.00	0.00	0.00	1.78	
TRACHEA, BRONCHUS, LUNG										
STUDY	OBS	1	0	0	1	0	0	0	0	
	SMR	63.33	0.00	0.00	18.63	0.00	0.00	0.00	0.00	
CNTRL	OBS	0	1	1	0	0	0	0	0	
	SMR	0.00	4.14	4.27	0.00	0.00	0.00	0.00	0.00	
BREAST (FEMALE)										
STUDY	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
THYROID										
STUDY	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BONES & JOINTS										
STUDY	OBS	0	0	1	0	0	1	0	0	
	SMR	0.00	0.00	2.97	0.00	0.00	5.35	0.00	0.00	
CNTRL	OBS	1	0	1	1	0	1	1	0	
	SMR	5.37	0.00	1.00	1.09	0.00	1.42	1.83	0.00	
BLADDER										
STUDY	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL	OBS	0	1	2	0	0	0	0	0	
	SMR	0.00	5.12	12.82	0.00	0.00	0.00	0.00	0.00	
BRAIN & OTHER C.N.S.										
STUDY	OBS	1	4	3	2	2	1	1	3	
	SMR	1.56	1.16	0.77	0.55	0.75	0.53	0.74	2.98	
CNTRL	OBS	0	9	3	10	9	9	6	2	
	SMR	0.00	0.89	0.26	0.87	0.96	1.25	1.09	0.47	
BENIGN & UNSPEC NEOPLASMS										
STUDY	OBS	0	0	0	0	1	1	1	0	
	SMR	0.00	0.00	0.00	0.00	5.25	1.23	2.33	0.00	
CNTRL	OBS	0	0	0	0	0	2	2	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.64	1.14	0.00	

Table 2-B.3

Age at death: 10 to 19

Yankee-Rowe 1 (1960)  
Berkshire, MA ; Franklin, MA

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80		1981-84
LEUKEMIA & ALEUKEMIA									
STUDY OBS	0	4	0	6	4	4	4	0	
SMR	0.00	1.27	0.00	1.51	0.94	0.99	1.21	0.00	
CNTRL OBS	1	11	10	17	9	18	23	7	
SMR	0.60	1.18	0.90	1.34	0.64	1.27	1.81	0.82	
ALL CANCER, EXCL LEUK									
STUDY OBS	3	4	1	6	9	5	5	4	
SMR	2.67	0.67	0.15	0.81	1.12	0.68	0.86	1.06	
CNTRL OBS	3	16	14	23	23	18	23	9	
SMR	0.92	0.89	0.68	0.96	0.87	0.70	1.03	0.59	
HODGKIN'S DISEASE									
STUDY OBS	0	1	0	2	1	1	0	0	
SMR	0.00	1.56	0.00	2.37	1.24	1.77	0.00	0.00	
CNTRL OBS	1	1	2	3	2	0	4	0	
SMR	2.88	0.52	0.87	1.10	0.75	0.00	2.81	0.00	
OTHER LYMPHOMA									
STUDY OBS	1	0	0	1	2	0	0	1	
SMR	6.87	0.00	0.00	0.87	1.64	0.00	0.00	1.90	
CNTRL OBS	0	1	1	4	3	3	3	1	
SMR	0.00	0.42	0.32	1.09	0.74	0.79	0.92	0.47	
MULTIPLE MYELOMA									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DIGESTIVE ORGANS									
STUDY OBS	1	0	0	1	0	1	0	0	
SMR	13.46	0.00	0.00	3.22	0.00	3.25	0.00	0.00	
CNTRL OBS	0	2	0	0	1	1	0	0	
SMR	0.00	1.82	0.00	0.00	0.94	0.94	0.00	0.00	
STOMACH									
STUDY OBS	0	0	0	0	0	1	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	51.47	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Age at death: 10 to 19

Yankee-Rowe 1 (1960)  
Berkshire, MA ; Franklin, MA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP				
	1950-50	1951-55	1956-60		1961-65	1966-70	1971-75	1976-80	
COLON & RECTUM									
STUDY OBS	1	0	0		0	0	0	0	0
SMR	26.47	0.00	0.00		0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	0		0	1	1	0	0
SMR	0.00	1.87	0.00		0.00	3.31	2.92	0.00	0.00
LIVER (PRIMARY)									
STUDY OBS	0	0	0		1	0	0	0	0
SMR	0.00	0.00	0.00		8.69	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	0	0	0		0	0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	3	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	14.63	0.00
BREAST (FEMALE)									
STUDY OBS	0	0	0		0	0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
THYROID									
STUDY OBS	0	0	0		0	0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	1	0	0	0
SMR	0.00	0.00	0.00		0.00	17.49	0.00	0.00	0.00
BONES & JOINTS									
STUDY OBS	0	1	1		1	1	0	1	0
SMR	0.00	0.87	0.80		0.74	0.66	0.00	0.95	0.00
CNTRL OBS	0	6	2		3	4	4	2	2
SMR	0.00	1.75	0.52		0.69	0.81	0.81	0.50	0.73
BLADDER									
STUDY OBS	0	0	0		0	0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.									
STUDY OBS	0	1	0		0	2	2	2	2
SMR	0.00	0.67	0.00		0.00	1.05	1.04	1.32	2.11
CNTRL OBS	1	1	5		6	6	3	2	3
SMR	1.26	0.23	0.94		0.98	0.96	0.44	0.34	0.77
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0		0	0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	1	1	0	0
SMR	0.00	0.00	0.00		0.00	1.95	0.40	0.00	0.00

Age at death: 20 to 39

Yankee-Rowe 1 (1960)  
Berkshire, MA ; Franklin, MA

		YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA	STUDY OBS	1	4	4	5	3	5	7	1
	SHR	0.81	0.67	0.72	0.98	0.62	0.97	1.28	0.22
	CNTRL OBS	2	23	10	17	12	10	25	17
	SHR	0.57	1.34	0.61	1.05	0.71	0.53	1.16	0.90
ALL CANCER, EXCL LEUK	STUDY OBS	11	56	60	46	50	39	44	28
	SHR	0.98	1.03	1.19	0.99	1.20	0.98	1.10	0.82
	CNTRL OBS	33	154	148	157	152	158	158	116
	SHR	1.04	0.99	1.00	1.08	1.06	1.06	0.98	0.80
HODGKIN'S DISEASE	STUDY OBS	1	8	9	5	10	1	5	4
	SHR	1.03	1.71	2.01	1.12	2.37	0.27	1.74	2.01
	CNTRL OBS	3	17	15	20	16	15	13	8
	SHR	1.09	1.26	1.12	1.40	1.09	1.09	1.15	0.94
OTHER LYMPHOMA	STUDY OBS	0	3	6	1	5	2	1	2
	SHR	0.00	1.07	2.24	0.37	1.98	0.77	0.37	0.83
	CNTRL OBS	1	8	7	10	17	9	7	8
	SHR	0.61	0.99	0.88	1.18	1.95	0.94	0.64	0.78
MULTIPLE MYELOMA	STUDY OBS	0	0	1	0	1	0	0	0
	SHR	0.00	0.00	4.35	0.00	5.87	0.00	0.00	0.00
	CNTRL OBS	0	0	2	2	0	0	0	1
	SHR	0.00	0.00	2.99	3.34	0.00	0.00	0.00	1.61
DIGESTIVE ORGANS	STUDY OBS	3	15	9	7	7	12	6	3
	SHR	1.40	1.46	1.02	0.95	1.13	2.12	1.07	0.64
	CNTRL OBS	11	32	31	31	18	18	16	16
	SHR	1.82	1.10	1.21	1.35	0.85	0.85	0.70	0.79
STOMACH	STUDY OBS	2	3	0	0	0	0	0	1
	SHR	4.11	1.30	0.00	0.00	0.00	0.00	0.00	1.33
	CNTRL OBS	2	4	6	8	3	1	2	2
	SHR	1.47	0.61	1.10	1.78	0.82	0.28	0.56	0.62



Yankee-Rowe 1 (1960)  
Berkshire, MA ; Franklin, MA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP				
		1950-50	1951-55	1956-60		1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM	STUDY	1	9	4		5	6	6	3	1
	OBS	0.92	1.74	0.91		1.37	1.95	2.14	1.07	0.44
	SMR	4	18	14		18	4	10	9	6
CNTRL	OBS	1.31	1.22	1.08		1.58	0.38	0.95	0.79	0.61
LIVER (PRIMARY)	STUDY	0	2	2		0	0	0	0	1
	OBS	0.00	1.95	2.36		0.00	0.00	0.00	0.00	1.98
	SMR	1	4	2		3	3	2	3	1
CNTRL	OBS	1.65	1.37	0.80		1.37	1.49	1.06	1.36	0.47
TRACHEA, BRONCHUS, LUNG	STUDY	0	4	2		2	6	3	6	0
	OBS	0.00	1.29	0.56		0.52	1.57	0.80	1.62	0.00
	SMR	0	8	14		14	14	13	14	9
CNTRL	OBS	0.00	0.90	1.34		1.17	1.07	0.91	0.91	0.67
BREAST (FEMALE)	STUDY	3	5	6		7	9	7	5	6
	OBS	1.99	0.67	0.83		1.05	1.57	1.27	0.85	1.06
	SMR	4	17	15		24	18	32	25	23
CNTRL	OBS	0.94	0.80	0.71		1.16	0.92	1.54	1.03	0.97
THYROID	STUDY	0	0	0		0	0	0	0	0
	OBS	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
	SMR	0	0	0		0	1	0	1	0
CNTRL	OBS	0.00	0.00	0.00		0.00	2.14	0.00	2.51	0.00
BONES & JOINTS	STUDY	0	1	0		1	0	1	2	0
	OBS	0.00	0.94	0.00		1.31	0.00	1.17	2.24	0.00
	SMR	0	5	0		4	2	2	8	1
CNTRL	OBS	0.00	1.62	0.00		1.63	0.79	0.66	2.34	0.36
BLADDER	STUDY	0	1	1		0	2	0	0	0
	OBS	0.00	3.53	4.95		0.00	14.07	0.00	0.00	0.00
	SMR	0	3	0		0	1	1	0	2
CNTRL	OBS	0.00	3.74	0.00		0.00	2.06	2.07	0.00	3.99
BRAIN & OTHER C.N.S.	STUDY	2	4	4		6	1	6	6	2
	OBS	2.03	0.84	0.88		1.45	0.27	1.48	1.49	0.59
	SMR	5	12	10		10	8	11	13	8
CNTRL	OBS	1.79	0.88	0.74		0.76	0.63	0.73	0.81	0.55
BENIGN & UNSPEC NEOPLASMS	STUDY	0	0	0		0	1	2	3	0
	OBS	0.00	0.00	0.00		0.00	3.27	1.30	2.98	0.00
	SMR	0	0	0		0	3	7	5	1
CNTRL	OBS	0.00	0.00	0.00		0.00	2.73	1.24	1.25	0.85



Table 2-B.3

Age at death: 40 to 59

Yankee-Rowe 1 (1960)  
Berkshire, MA ; Franklin, MA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP					
	1950-50	1951-55	1956-60		1961-65	1966-70	1971-75	1976-80		1981-84
LEUKEMIA & ALEUKEMIA										
STUDY OBS	2	16	17		12	14	12	16	8	
SMR	0.68	1.09	1.16		0.82	0.95	0.86	1.24	0.83	
CNTRL OBS	11	53	33		45	51	36	38	24	
SMR	1.27	1.20	0.74		1.00	1.12	0.80	0.85	0.67	
ALL CANCER, EXCL LEUK										
STUDY OBS	87	386	408		432	426	459	420	305	
SMR	1.13	1.00	1.05		1.06	0.97	1.02	0.99	0.97	
CNTRL OBS	253	1268	1273		1348	1559	1469	1489	1224	
SMR	1.11	1.10	1.08		1.08	1.15	1.02	1.03	1.07	
HODGKIN'S DISEASE										
STUDY OBS	3	3	4		5	7	5	2	2	
SMR	2.70	0.53	0.68		0.85	1.19	1.10	0.72	1.20	
CNTRL OBS	2	13	14		16	21	19	13	14	
SMR	0.61	0.77	0.78		0.88	1.15	1.28	1.34	2.21	
OTHER LYMPHOMA										
STUDY OBS	5	8	13		11	15	12	11	5	
SMR	2.46	0.76	1.11		0.83	1.02	0.83	0.83	0.49	
CNTRL OBS	5	33	50		51	40	35	44	35	
SMR	0.83	1.05	1.40		1.25	0.88	0.75	0.97	0.93	
MULTIPLE MYELOMA										
STUDY OBS	1	2	9		2	4	3	9	6	
SMR	1.43	0.55	2.08		0.43	0.87	0.58	1.74	1.56	
CNTRL OBS	2	12	17		11	15	15	15	9	
SMR	0.97	1.10	1.29		0.78	1.06	0.91	0.86	0.65	
DIGESTIVE ORGANS										
STUDY OBS	31	136	121		137	126	113	99	61	
SMR	1.28	1.14	1.10		1.29	1.19	1.11	1.09	0.94	
CNTRL OBS	79	433	393		349	374	383	338	273	
SMR	1.10	1.21	1.18		1.07	1.14	1.18	1.09	1.16	
STOMACH										
STUDY OBS	4	35	25		21	19	16	12	5	
SMR	0.69	1.25	1.14		1.14	1.18	1.13	1.03	0.61	
CNTRL OBS	22	95	75		56	59	64	37	30	
SMR	1.28	1.14	1.12		0.99	1.19	1.42	0.93	1.01	

Age at death: 40 to 59

Yankee-Rowe 1 (1960)  
Berkshire, MA ; Franklin, MA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP				
	1950-50	1951-55	1956-60		1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM									
STUDY OBS	19	62	52		70	65	53	47	27
SMR	1.85	1.21	1.08		1.48	1.35	1.13	1.11	0.91
CNTRL OBS	38	213	204		168	198	180	170	142
SMR	1.25	1.40	1.39		1.16	1.33	1.21	1.19	1.34
LIVER (PRIMARY)									
STUDY OBS	1	12	12		9	9	5	2	2
SMR	0.33	0.82	0.97		0.81	1.05	0.92	0.42	0.55
CNTRL OBS	7	42	31		25	17	16	8	13
SMR	0.78	0.96	0.83		0.73	0.64	0.92	0.50	0.98
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	8	51	59		83	99	112	115	94
SMR	0.77	0.94	0.90		1.03	0.97	0.92	0.90	0.94
CNTRL OBS	27	206	225		259	334	376	426	365
SMR	0.88	1.26	1.12		1.04	1.06	0.97	0.98	1.01
BREAST (FEMALE)									
STUDY OBS	7	56	51		54	63	69	59	39
SMR	0.66	1.05	0.91		0.90	0.97	1.06	0.99	0.90
CNTRL OBS	38	177	171		231	257	176	219	155
SMR	1.23	1.11	1.01		1.27	1.28	0.85	1.08	1.00
THYROID									
STUDY OBS	0	5	2		4	2	6	1	0
SMR	0.00	3.01	1.35		3.08	1.70	5.64	1.08	0.00
CNTRL OBS	0	6	7		5	5	2	3	3
SMR	0.00	1.21	1.55		1.25	1.37	0.59	0.95	1.36
BONES & JOINTS									
STUDY OBS	1	2	4		2	2	0	1	0
SMR	1.57	0.65	1.55		0.94	1.01	0.00	0.77	0.00
CNTRL OBS	4	6	6		6	4	2	3	3
SMR	2.13	0.65	0.77		0.92	0.66	0.35	0.67	1.26
BLADDER									
STUDY OBS	6	4	9		10	6	10	7	1
SMR	4.00	0.55	1.43		1.72	1.04	1.80	1.46	0.31
CNTRL OBS	7	25	19		18	22	22	17	17
SMR	1.58	1.14	0.99		1.01	1.24	1.25	1.05	1.48
BRAIN & OTHER C.N.S.									
STUDY OBS	5	9	18		18	14	10	15	13
SMR	1.81	0.64	1.19		1.13	0.86	0.56	0.97	1.16
CNTRL OBS	2	38	34		40	53	55	50	35
SMR	0.24	0.90	0.74		0.82	1.05	0.95	0.94	0.85
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0		0	3	6	8	1
SMR	0.00	0.00	0.00		0.00	2.11	0.92	2.10	1.13
CNTRL OBS	0	0	0		0	10	18	13	1
SMR	0.00	0.00	0.00		0.00	2.27	0.85	0.99	0.31

Table 2-B.3

Age at death: 60 plus		Yankee-Rowe 1 (1960) Berkshire, MA ; Franklin, MA							
		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60		1961-65	1966-70	1971-75	1976-80
									1981-84
LEUKEMIA & ALEUKEMIA									
STUDY OBS	7		32	46		39	54	65	54
SMR	1.05		0.89	1.04		0.77	0.96	1.11	0.98
CNTRL OBS	22		103	134		156	170	184	159
SMR	1.13		0.97	1.02		1.03	1.00	1.03	0.90
ALL CANCER, EXCL LEUK									
STUDY OBS	211		1206	1320		1341	1489	1517	1483
SMR	1.02		1.11	1.13		1.08	1.10	1.03	1.02
CNTRL OBS	649		3541	3924		4182	4462	5037	4954
SMR	1.08		1.12	1.14		1.12	1.09	1.12	1.07
HODGKIN'S DISEASE									
STUDY OBS	0		10	5		6	10	11	6
SMR	0.00		1.46	0.66		0.76	1.23	1.47	1.46
CNTRL OBS	5		24	19		22	25	23	15
SMR	1.31		1.19	0.84		0.92	1.01	1.00	1.13
OTHER LYMPHOMA									
STUDY OBS	1		24	22		25	29	33	47
SMR	0.28		1.24	0.86		0.80	0.76	0.76	0.97
CNTRL OBS	14		73	87		110	106	106	147
SMR	1.36		1.28	1.15		1.17	0.92	0.80	0.94
MULTIPLE MYELOMA									
STUDY OBS	0		4	18		16	18	21	23
SMR	0.00		0.51	1.53		1.08	0.96	0.91	0.91
CNTRL OBS	8		21	32		44	42	66	79
SMR	2.02		0.92	0.91		0.98	0.75	0.94	0.98
DIGESTIVE ORGANS									
STUDY OBS	102		542	622		579	584	539	435
SMR	1.10		1.12	1.27		1.17	1.18	1.10	1.03
CNTRL OBS	300		1601	1660		1683	1726	1737	1548
SMR	1.11		1.13	1.15		1.14	1.17	1.16	1.14
STOMACH									
STUDY OBS	30		166	148		104	95	88	39
SMR	1.14		1.25	1.27		1.04	1.12	1.21	0.77
CNTRL OBS	72		408	399		324	259	267	171
SMR	0.94		1.05	1.16		1.09	1.03	1.21	1.06

Age at death: 60 plus

Yankee-Rowe 1 (1960)  
Berkshire, MA ; Franklin, MA

	YEARS AFTER STARTUP				YEARS BEFORE STARTUP			
	1961-65	1966-70	1971-75	1976-80	1981-84	1950-50	1951-55	1956-60
COLON & RECTUM								
STUDY OBS	283	288	284	323	251	45	227	300
SMR	1.25	1.21	1.15	1.25	1.17	1.18	1.13	1.40
CNTRL OBS	848	949	917	1010	834	150	730	788
SMR	1.26	1.34	1.21	1.25	1.22	1.35	1.24	1.25
LIVER (PRIMARY)								
STUDY OBS	57	45	27	29	8	6	39	57
SMR	1.05	1.12	1.16	1.26	0.39	0.52	0.66	0.99
CNTRL OBS	168	98	66	79	64	26	173	156
SMR	1.04	0.81	0.92	1.09	0.98	0.78	1.00	0.91
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	161	243	319	366	320	19	107	113
SMR	0.88	1.01	1.04	0.95	0.86	1.04	1.06	0.81
CNTRL OBS	634	755	1033	1257	1114	47	274	439
SMR	1.14	1.03	1.09	1.03	0.93	0.88	0.92	1.05
BREAST (FEMALE)								
STUDY OBS	113	129	101	138	150	21	106	114
SMR	1.15	1.20	0.86	1.06	1.30	1.31	1.24	1.23
CNTRL OBS	329	348	438	465	445	53	298	363
SMR	1.12	1.07	1.20	1.13	1.20	1.14	1.19	1.33
THYROID								
STUDY OBS	3	5	9	9	5	1	5	5
SMR	0.57	0.99	1.80	1.89	1.37	1.02	0.97	0.92
CNTRL OBS	14	12	15	17	12	1	8	12
SMR	0.89	0.79	0.98	1.13	1.02	0.35	0.53	0.74
BONES & JOINTS								
STUDY OBS	5	11	9	5	4	2	11	12
SMR	0.80	1.79	1.53	1.07	1.67	1.21	1.32	1.65
CNTRL OBS	24	19	13	12	4	4	28	18
SMR	1.28	1.03	0.72	0.81	0.52	0.83	1.14	0.83
BLADDER								
STUDY OBS	62	75	67	45	53	7	55	53
SMR	1.32	1.52	1.30	0.86	1.25	0.86	1.29	1.17
CNTRL OBS	164	175	209	186	152	29	168	169
SMR	1.17	1.19	1.34	1.14	1.14	1.23	1.35	1.27
BRAIN & OTHER C.N.S.								
STUDY OBS	12	14	22	33	35	0	9	11
SMR	0.90	0.81	0.86	1.05	1.24	0.00	1.08	1.03
CNTRL OBS	26	59	69	90	84	4	17	21
SMR	0.64	1.11	0.86	0.90	0.92	0.88	0.69	0.65
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	3	19	13	1	0	0	0
SMR	0.00	0.88	1.10	0.91	0.20	0.00	0.00	0.00
CNTRL OBS	0	10	85	53	15	0	0	0
SMR	0.00	0.97	1.61	1.18	0.95	0.00	0.00	0.00

Table 2-B.3

Age at death: all

Yankee-Rowe 1 (1960)  
Berkshire, MA ; Franklin, MA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP					
		1950-50	1951-55	1956-60		1961-65	1966-70	1971-75	1976-80		1981-84
LEUKEMIA & ALEUKEMIA											
STUDY	OBS	11	67	75		68	85	89	87		63
	SMR	0.85	0.98	0.97		0.82	0.97	1.03	0.99		0.86
CNTRL	OBS	40	211	210		256	261	261	289		216
	SMR	1.06	1.05	0.91		1.01	0.97	0.95	1.00		0.87
ALL CANCER, EXCL LEUK											
STUDY	OBS	314	1663	1794		1830	1981	2028	2243		1824
	SMR	1.06	1.08	1.11		1.07	1.07	1.03	1.07		1.01
CNTRL	OBS	941	5004	5383		5732	6218	6699	7361		6315
	SMR	1.09	1.11	1.11		1.11	1.10	1.09	1.09		1.06
HODGKIN'S DISEASE											
STUDY	OBS	4	22	18		18	30	18	13		12
	SMR	1.13	1.22	0.96		0.94	1.57	1.10	1.11		1.50
CNTRL	OBS	11	55	52		61	64	57	52		37
	SMR	1.07	1.04	0.92		1.03	1.05	1.06	1.28		1.27
OTHER LYMPHOMA											
STUDY	OBS	7	37	41		38	52	50	69		55
	SMR	1.07	1.07	0.97		0.77	0.91	0.81	1.03		0.89
CNTRL	OBS	22	120	154		177	167	154	202		192
	SMR	1.16	1.17	1.22		1.17	0.95	0.79	0.92		0.93
MULTIPLE MYELOMA											
STUDY	OBS	1	6	28		18	23	24	28		29
	SMR	0.47	0.51	1.71		0.92	0.98	0.85	0.85		0.99
CNTRL	OBS	10	33	51		57	57	81	97		89
	SMR	1.62	0.95	1.04		0.96	0.80	0.92	0.93		0.94
DIGESTIVE ORGANS											
STUDY	OBS	137	695	752		724	718	665	694		500
	SMR	1.15	1.13	1.24		1.19	1.18	1.11	1.15		1.01
CNTRL	OBS	390	2069	2084		2063	2119	2139	2222		1838
	SMR	1.12	1.15	1.15		1.13	1.16	1.16	1.16		1.14
STOMACH											
STUDY	OBS	36	205	173		125	114	105	81		45
	SMR	1.10	1.25	1.24		1.04	1.12	1.20	1.04		0.76
CNTRL	OBS	96	507	480		388	321	332	273		203
	SMR	1.01	1.06	1.16		1.08	1.05	1.23	1.10		1.05



Age at death: all

Yankee-Rove 1 (1960)  
Berkshire, MA ; Franklin, MA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP					
	1950-50	1951-55	1956-60		1961-65	1966-70	1971-75	1976-80		1981-84
COLON & RECTUM										
STUDY	66	298	356		358	360	343	373		279
OBS	1.33	1.16	1.34		1.29	1.25	1.15	1.23		1.13
SHR	192	962	1006		1034	1152	1108	1189		982
CNTRL	1.33	1.27	1.27		1.25	1.32	1.21	1.23		1.23
SHR	LIVER (PRIMARY)									
STUDY	7	53	71		67	54	32	32		11
OBS	0.47	0.70	1.00		1.01	1.09	1.08	1.12		0.44
SHR	34	220	189		196	118	84	90		79
CNTRL	0.79	0.99	0.89		0.98	0.79	0.92	0.98		0.97
SHR	TRACHEA, BRONCHUS, LUNG									
STUDY	28	162	174		247	348	434	487		414
OBS	0.96	1.02	0.83		0.92	1.00	1.00	0.94		0.87
SHR	74	489	679		907	1103	1422	1700		1488
CNTRL	0.86	1.04	1.08		1.11	1.04	1.05	1.02		0.95
SHR	BREAST (FEMALE)									
STUDY	31	167	171		174	201	177	202		195
OBS	1.10	1.14	1.10		1.05	1.13	0.94	1.04		1.19
SHR	95	492	549		584	623	646	709		623
CNTRL	1.16	1.14	1.18		1.17	1.14	1.09	1.11		1.13
SHR	THYROID									
STUDY	1	10	7		7	7	15	10		5
OBS	0.74	1.42	0.98		1.04	1.10	2.42	1.72		1.15
SHR	1	14	19		19	19	17	21		15
CNTRL	0.25	0.68	0.89		0.93	0.98	0.88	1.13		1.05
SHR	BONES & JOINTS									
STUDY	3	15	18		9	14	11	9		4
OBS	1.07	1.07	1.46		0.83	1.32	1.09	1.12		0.90
SHR	9	45	27		38	29	22	26		10
CNTRL	1.10	1.09	0.73		1.15	0.88	0.68	0.96		0.63
SHR	BLADDER									
STUDY	13	60	63		72	83	77	52		54
OBS	1.34	1.19	1.22		1.36	1.50	1.35	0.91		1.18
SHR	36	197	190		182	198	232	203		171
CNTRL	1.27	1.33	1.24		1.15	1.20	1.33	1.13		1.17
SHR	BRAIN & OTHER C.N.S.									
STUDY	8	27	36		38	33	41	57		55
OBS	1.29	0.84	1.00		0.98	0.79	0.80	1.06		1.23
SHR	12	77	73		92	135	147	161		132
CNTRL	0.66	0.81	0.67		0.76	1.02	0.88	0.89		0.85
SHR	BENIGN & UNSPEC NEOPLASMS									
STUDY	0	0	0		0	8	28	25		2
OBS	0.00	0.00	0.00		0.00	1.46	1.04	1.25		0.32
SHR	0	0	0		0	24	113	73		17
CNTRL	0.00	0.00	0.00		0.00	1.41	1.33	1.12		0.82
SHR										





Age at death: under 10

Big Rock Point 1 (1962)  
Charlevoix, MI ; Emmet, MI

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP					
	1950-52	1953-57	1958-62		1963-67	1968-72	1973-77	1978-82		1983-84
COLON & RECTUM										
STUDY	0	0	0		0	0	0	0	0	0
OBS	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
SMR	0	0	0		0	0	0	0	0	0
CNTRL	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
SMR										
LIVER (PRIMARY)										
STUDY	0	0	0		0	0	0	0	0	0
OBS	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
SMR	0	1	1		0	2	1	1	0	0
CNTRL	0.00	7.80	6.55		0.00	16.68	9.07	8.67	0.00	0.00
SMR										
TRACHEA, BRONCHUS, LUNG										
STUDY	0	0	0		0	0	0	0	0	0
OBS	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
SMR	0	0	0		0	0	0	0	0	0
CNTRL	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
SMR										
BREAST (FEMALE)										
STUDY	0	0	0		0	0	0	0	0	0
OBS	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
SMR	0	0	0		0	0	0	0	0	0
CNTRL	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
SMR										
THYROID										
STUDY	0	0	0		0	0	0	0	0	0
OBS	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
SMR	0	0	0		0	0	0	0	0	0
CNTRL	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
SMR										
BONES & JOINTS										
STUDY	0	0	0		0	0	0	0	0	0
OBS	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
SMR	0	0	1		0	0	0	0	0	0
CNTRL	0.00	0.00	6.11		0.00	0.00	0.00	0.00	0.00	0.00
SMR										
BLADDER										
STUDY	0	0	0		0	0	0	0	0	0
OBS	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
SMR	0	0	0		0	0	0	0	0	0
CNTRL	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
SMR										
BRAIN & OTHER C.N.S.										
STUDY	1	1	1		0	3	0	0	0	0
OBS	2.76	1.61	1.59		0.00	6.64	0.00	0.00	0.00	0.00
SMR	0	2	0		2	0	0	1	0	0
CNTRL	0.00	1.09	0.00		1.11	0.00	0.00	1.05	0.00	0.00
SMR										
BENIGN & UNSPEC NEOPLASMS										
STUDY	0	0	0		0	1	0	0	0	0
OBS	0.00	0.00	0.00		0.00	9.19	0.00	0.00	0.00	0.00
SMR	0	0	0		0	0	0	0	0	0
CNTRL	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
SMR										

Age at death: 10 to 19

Big Rock Point 1 (1962)  
Charlevoix, MI ; Emmet, MI

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77		1978-82	1983-84
LEUKEMIA & ALEUKEMIA									
STUDY OBS	0	0	0	1	0	1	0	0	0
SMR	0.00	0.00	0.00	1.37	0.00	1.27	0.00	0.00	0.00
CNTRL OBS	2	1	1	1	1	3	4	1	1
SMR	2.09	0.58	0.53	0.45	0.41	1.24	2.02	1.48	1.48
ALL CANCER, EXCL LEUK									
STUDY OBS	1	2	2	0	2	0	1	0	0
SMR	1.46	1.70	1.63	0.00	1.37	0.00	0.86	0.00	0.00
CNTRL OBS	1	2	3	6	5	5	2	2	2
SMR	0.55	0.62	0.85	1.45	1.12	1.16	0.57	1.67	1.67
HODGKIN'S DISEASE									
STUDY OBS	0	1	0	0	0	0	0	0	0
SMR	0.00	7.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	1	0	0	1	0	0
SMR	0.00	0.00	0.00	2.23	0.00	0.00	4.35	0.00	0.00
OTHER LYMPHOMA									
STUDY OBS	0	0	1	0	1	0	0	0	0
SMR	0.00	0.00	5.34	0.00	4.59	0.00	0.00	0.00	0.00
CNTRL OBS	1	0	0	1	3	2	0	0	0
SMR	4.22	0.00	0.00	1.57	4.47	3.14	0.00	0.00	0.00
MULTIPLE MYELOMA									
STUDY OBS	0	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS									
STUDY OBS	0	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STOMACH									
STUDY OBS	0	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Age at death: 10 to 19

Big Rock Point 1 (1962)  
Charlevoix, MI ; Emmet, MI

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84	
COLON & RECTUM									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
LIVER (PRIMARY)									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BREAST (FEMALE)									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
THYROID									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BONES & JOINTS									
STUDY OBS	0	0	0	0	1	0	0	0	
SMR	0.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00	
CNTRL OBS	0	0	1	2	1	1	1	0	
SMR	0.00	0.00	1.54	2.63	1.17	1.25	1.57	0.00	
BLADDER									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BRAIN & OTHER C.N.S.									
STUDY OBS	1	0	0	0	0	0	0	0	
SMR	5.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	2	0	2	0	1	0	0	
SMR	0.00	2.42	0.00	1.97	0.00	0.88	0.00	0.00	
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Age at death: 20 to 39

Big Rock Point 1 (1962)  
Charlevoix, MI ; Emmet, MI

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84	
LEUKEMIA & ALEUKEMIA									
	STUDY OBS	0	1	0	2	1	0	2	
	SMR	0.00	1.31	0.00	2.45	0.98	0.00	4.14	
	CNTRL OBS	0	1	2	5	5	4	0	
SMR	0.00	0.44	0.86	2.05	2.26	1.63	1.22	0.00	
ALL CANCER, EXCL LEUK									
	STUDY OBS	9	7	7	9	8	10	7	6
	SMR	2.00	1.01	1.10	1.37	1.17	1.27	0.80	1.55
	CNTRL OBS	10	20	17	24	22	19	22	9
SMR	0.83	1.00	0.84	1.13	1.00	0.81	0.90	0.89	
HODGKIN'S DISEASE									
	STUDY OBS	1	1	1	2	2	2	0	0
	SMR	2.68	1.68	1.72	3.10	3.01	3.11	0.00	0.00
	CNTRL OBS	0	1	3	1	3	1	1	1
SMR	0.00	0.55	1.52	0.46	1.39	0.52	0.63	1.70	
OTHER LYMPHOMA									
	STUDY OBS	0	0	0	0	0	0	1	1
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	1.65	3.75
	CNTRL OBS	1	1	1	2	0	1	1	1
SMR	1.62	0.94	0.87	1.57	0.00	0.65	0.59	1.40	
MULTIPLE MYELOMA									
	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DIGESTIVE ORGANS									
	STUDY OBS	2	2	0	1	2	1	0	2
	SMR	2.30	1.56	0.00	0.98	1.98	0.89	0.00	3.63
	CNTRL OBS	1	6	2	1	4	4	5	2
SMR	0.43	1.65	0.60	0.31	1.23	1.18	1.47	1.42	
STOMACH									
	STUDY OBS	0	0	0	0	0	0	0	1
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.25
	CNTRL OBS	0	4	0	0	1	0	0	0
SMR	0.00	5.02	0.00	0.00	1.78	0.00	0.00	0.00	

Big Rock Point 1 (1962)  
Charlevoix, MI ; Emmet, MI

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP					
	1950-52	1953-57	1958-62		1963-67	1968-72	1973-77	1978-82		1983-84
COLON & RECTUM										
STUDY	1	1	0		0	1	0	0	1	
OBS										
SMR	2.29	1.56	0.00		0.00	2.00	0.00	0.00	0.00	3.77
CNTRL										
OBS	1	1	2		0	3	2	3	1	
SMR	0.86	0.54	1.20		0.00	1.86	1.19	1.80	1.47	
LIVER (PRIMARY)										
STUDY	1	1	0		1	0	0	0	0	
OBS										
SMR	11.23	7.74	0.00		10.04	0.00	0.00	0.00	0.00	0.00
CNTRL										
OBS	0	0	0		1	0	1	0	0	
SMR	0.00	0.00	0.00		3.18	0.00	3.20	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG										
STUDY	1	2	2		0	0	0	1	0	
OBS										
SMR	4.08	4.63	4.16		0.00	0.00	0.00	1.21	0.00	0.00
CNTRL										
OBS	1	0	2		3	3	3	1	0	
SMR	1.53	0.00	1.35		1.65	1.41	1.31	0.44	0.00	0.00
BREAST (FEMALE)										
STUDY	0	1	0		2	1	2	1	0	
OBS										
SMR	0.00	1.02	0.00		2.14	1.03	1.78	0.73	0.00	0.00
CNTRL										
OBS	1	5	2		4	1	4	4	2	
SMR	0.61	1.81	0.71		1.38	0.33	1.19	1.06	1.20	
THYROID										
STUDY	0	0	0		0	0	0	0	0	
OBS										
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
CNTRL										
OBS	0	1	0		0	0	0	0	0	
SMR	0.00	14.34	0.00		0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS										
STUDY	0	1	1		2	0	0	0	0	
OBS										
SMR	0.00	7.72	9.21		18.47	0.00	0.00	0.00	0.00	0.00
CNTRL										
OBS	0	0	1		0	1	1	0	0	
SMR	0.00	0.00	2.67		0.00	2.42	2.00	0.00	0.00	0.00
BLADDER										
STUDY	0	0	0		0	0	0	0	0	
OBS										
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
CNTRL										
OBS	0	0	1		0	0	0	0	0	
SMR	0.00	0.00	13.12		0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.										
STUDY	1	0	0		0	2	1	1	1	
OBS										
SMR	2.60	0.00	0.00		0.00	3.12	1.28	1.15	2.68	
CNTRL										
OBS	1	3	1		2	1	0	4	0	
SMR	0.95	1.65	0.53		1.07	0.48	0.00	1.65	0.00	0.00
BENIGN & UNSPEC NEOPLASMS										
STUDY	0	0	0		0	0	0	0	0	
OBS										
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
CNTRL										
OBS	0	0	0		0	0	0	1	0	
SMR	0.00	0.00	0.00		0.00	0.00	0.00	2.47	0.00	0.00



Table 2-B.4

Age at death: 40 to 59

Big Rock Point 1 (1962)  
Charlevoix, MI ; Emmet, MI

		YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	1	0	4	1	1	1	0	2
	SMR	0.78	0.00	1.95	0.47	0.47	0.46	0.00	2.15
CNTRL	OBS	3	6	6	8	8	2	3	2
	SMR	0.88	1.03	1.01	1.31	1.28	0.30	0.42	0.65
ALL CANCER, EXCL LEUK									
STUDY	OBS	30	40	47	51	65	61	75	26
	SMR	0.89	0.72	0.84	0.84	0.98	0.86	1.02	0.89
CNTRL	OBS	87	142	147	144	220	206	249	91
	SMR	0.99	0.94	0.93	0.83	1.14	0.96	1.08	0.92
HODGKIN'S DISEASE									
STUDY	OBS	1	0	1	0	0	1	2	1
	SMR	2.04	0.00	1.22	0.00	0.00	1.63	4.42	5.91
CNTRL	OBS	3	2	0	2	2	4	2	2
	SMR	2.29	0.87	0.00	0.80	0.85	2.16	1.42	3.73
OTHER LYMPHOMA									
STUDY	OBS	1	3	2	3	4	1	4	1
	SMR	1.13	1.91	1.16	1.50	1.85	0.45	1.70	1.03
CNTRL	OBS	2	3	3	1	15	9	9	4
	SMR	0.85	0.69	0.60	0.17	2.35	1.33	1.21	1.23
MULTIPLE MYELOMA									
STUDY	OBS	1	0	0	0	1	2	4	1
	SMR	3.23	0.00	0.00	0.00	1.37	2.39	4.47	2.83
CNTRL	OBS	2	2	2	2	4	4	2	1
	SMR	2.48	1.28	1.10	1.07	1.91	1.59	0.72	0.84
DIGESTIVE ORGANS									
STUDY	OBS	11	11	13	10	14	19	12	5
	SMR	1.03	0.66	0.84	0.65	0.90	1.22	0.78	0.83
CNTRL	OBS	27	42	44	42	59	48	43	15
	SMR	0.97	0.92	1.01	0.95	1.31	1.02	0.89	0.74
STOMACH									
STUDY	OBS	4	0	1	1	2	3	2	1
	SMR	1.53	0.00	0.34	0.39	0.87	1.43	1.02	1.31
CNTRL	OBS	4	9	6	10	5	2	5	2
	SMR	0.59	0.89	0.72	1.39	0.76	0.32	0.82	0.79

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84	
COLON & RECTUM									
STUDY OBS	5	5	5	5	8	6	5	1	
SMR	1.12	0.70	0.74	0.73	1.13	0.84	0.71	0.37	
CNTRL OBS	12	18	18	18	28	17	19	8	
SMR	1.02	0.92	0.94	0.91	1.36	0.78	0.85	0.87	
LIVER (PRIMARY)									
STUDY OBS	2	3	2	2	0	0	1	0	
SMR	1.50	1.51	1.17	1.34	0.00	0.00	1.18	0.00	
CNTRL OBS	3	6	6	7	5	6	2	0	
SMR	0.87	1.13	1.25	1.65	1.64	2.44	0.77	0.00	
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	5	4	12	16	15	12	18	6	
SMR	1.09	0.47	1.17	1.24	0.91	0.61	0.80	0.65	
CNTRL OBS	10	14	29	28	52	51	82	32	
SMR	0.81	0.58	0.98	0.75	1.09	0.85	1.15	1.02	
BREAST (FEMALE)									
STUDY OBS	1	4	5	2	8	8	16	3	
SMR	0.22	0.52	0.63	0.23	0.82	0.77	1.54	0.74	
CNTRL OBS	10	24	13	19	30	30	35	12	
SMR	0.88	1.18	0.58	0.74	1.05	0.97	1.08	0.89	
THYROID									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	1	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	2.10	0.00	
BONES & JOINTS									
STUDY OBS	0	1	0	0	0	0	0	0	
SMR	0.00	2.39	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	2	0	1	1	0	0	
SMR	0.00	0.00	2.08	0.00	1.22	1.29	0.00	0.00	
BLADDER									
STUDY OBS	0	1	3	2	4	2	3	1	
SMR	0.00	0.99	3.41	2.36	4.73	2.44	3.91	3.50	
CNTRL OBS	3	4	5	2	2	4	0	2	
SMR	1.70	1.45	2.02	0.83	0.82	1.59	0.00	2.01	
BRAIN & OTHER C.N.S.									
STUDY OBS	2	1	2	4	0	8	2	2	
SMR	1.66	0.48	0.93	1.79	0.00	2.94	0.75	1.86	
CNTRL OBS	5	5	8	11	9	11	10	6	
SMR	1.55	0.87	1.27	1.68	1.20	1.33	1.18	1.69	
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0	0	1	3	0	0	
SMR	0.00	0.00	0.00	0.00	1.57	3.35	0.00	0.00	
CNTRL OBS	0	0	0	0	0	4	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	1.49	0.00	0.00	

Table 2-B.4

Age at death: 60 plus

Big Rock Point 1 (1962)  
Charlevoix, MI ; Emmet, MI

		YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	3	4	8					7
	SMR	0.86	0.61	1.05					1.36
CNTRL	OBS	11	20	21					17
	SMR	1.30	1.20	1.04					1.02
ALL CANCER, EXCL LEUK									
STUDY	OBS	96	188	195					153
	SMR	0.90	1.02	1.01					1.13
CNTRL	OBS	255	478	494					435
	SMR	1.00	1.04	0.98					0.99
HODGKIN'S DISEASE									
STUDY	OBS	1	2	0					1
	SMR	1.47	1.70	0.00					2.65
CNTRL	OBS	0	1	4					1
	SMR	0.00	0.33	1.22					0.80
OTHER LYMPHOMA									
STUDY	OBS	1	2	4					8
	SMR	0.55	0.56	0.91					1.80
CNTRL	OBS	2	8	11					9
	SMR	0.45	0.88	0.94					0.62
MULTIPLE MYELOMA									
STUDY	OBS	1	1	4					4
	SMR	1.42	0.64	1.92					1.70
CNTRL	OBS	1	4	9					5
	SMR	0.59	1.01	1.64					0.66
DIGESTIVE ORGANS									
STUDY	OBS	41	90	86					45
	SMR	0.85	1.12	1.09					1.14
CNTRL	OBS	117	240	191					117
	SMR	1.01	1.20	0.93					0.93
STOMACH									
STUDY	OBS	9	22	18					6
	SMR	0.64	1.02	0.99					1.26
CNTRL	OBS	35	74	58					9
	SMR	1.04	1.38	1.23					0.59

Age at death: 60 plus

Big Rock Point 1 (1962)  
Charlevoix, MI ; Emmet, MI

		YEARS AFTER STARTUP				YEARS BEFORE STARTUP					
		1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84			
COLON & RECTUM	STUDY OBS	20	44	29	36	39	42	25			
	SMR	1.03	1.27	0.79	0.93	0.90	0.89	1.26			
	CNTRL OBS	44	77	87	115	133	155	70			
LIVER (PRIMARY)	STUDY OBS	0.95	0.85	0.88	1.06	1.05	1.06	1.10			
	SMR	6	5	7	1	6	1	2			
	CNTRL OBS	1.04	0.56	0.90	0.19	1.50	0.23	1.05			
TRACHEA, BRONCHUS, LUNG	STUDY OBS	19	27	16	6	12	9	7			
	SMR	1.38	1.16	0.76	0.42	1.01	0.65	1.14			
	CNTRL OBS	6	23	21	51	72	85	42			
BREAST (FEMALE)	STUDY OBS	0.61	0.88	0.60	1.11	1.18	1.08	1.20			
	SMR	8	63	67	131	165	229	124			
	CNTRL OBS	0.33	0.88	0.67	0.96	0.87	0.90	1.06			
THYROID	STUDY OBS	10	16	18	22	16	23	10			
	SMR	1.40	1.21	1.24	1.34	0.82	0.99	1.00			
	CNTRL OBS	20	29	36	39	64	67	35			
BONES & JOINTS	STUDY OBS	0	0	2	0	0	0	0			
	SMR	0.00	0.00	2.54	0.00	0.00	0.00	0.00			
	CNTRL OBS	0	1	0	4	7	3	0			
BLADDER	STUDY OBS	0	1	1	1	1	1	0			
	SMR	0.00	0.91	1.00	1.00	1.05	1.44	0.00			
	CNTRL OBS	0	1	0	7	1	3	1			
BRAIN & OTHER C.N.S.	STUDY OBS	3	4	8	14	13	16	4			
	SMR	0.68	0.52	1.00	1.66	1.41	1.65	0.99			
	CNTRL OBS	15	26	24	32	34	41	16			
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	1	3	2	4	10	4			
	SMR	0.00	0.55	1.31	0.59	0.82	1.67	1.55			
	CNTRL OBS	1	6	7	8	17	18	10			
	STUDY OBS	0.52	1.20	1.06	0.79	1.13	0.94	1.16			
	SMR	0	0	0	1	1	1	0			
	CNTRL OBS	0	0.00	0.00	0.59	0.35	0.54	0.00			
	STUDY OBS	0	0	0	7	13	2	2			
	SMR	0.00	0.00	0.00	1.46	1.53	0.35	1.39			
	CNTRL OBS	0	0.00	0.00	7	13	2	2			
	STUDY OBS	0.00	0.00	0.00	1.46	1.53	0.35	1.39			
	SMR	0.00	0.00	0.00	1.46	1.53	0.35	1.39			
	CNTRL OBS	0.00	0.00	0.00	1.46	1.53	0.35	1.39			

Table 2-B.4

Age at death: all	Big Rock Point 1 (1962) Charlevoix, MI ; Emmet, MI									
	YEARS BEFORE STARTUP					YEARS AFTER STARTUP				
	1950-52	1953-57	1958-62			1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>										
STUDY OBS	5	6	15			15	18	16	17	11
SHR	0.77	0.52	1.20			1.10	1.26	1.05	1.02	1.57
CNTRL OBS	21	33	37			50	51	50	45	20
SHR	1.27	1.07	1.05			1.29	1.23	1.10	0.87	0.90
<b>ALL CANCER, EXCL LEUK</b>										
STUDY OBS	137	238	253			242	320	360	443	185
SHR	0.93	0.95	0.98			0.87	1.05	1.04	1.12	1.10
CNTRL OBS	353	646	665			715	908	1025	1241	539
SHR	0.98	1.01	0.96			0.93	1.04	0.98	1.00	0.98
<b>HODGKIN'S DISEASE</b>										
STUDY OBS	3	4	2			4	2	3	5	2
SHR	1.84	1.45	0.72			1.35	0.69	1.20	2.42	2.54
CNTRL OBS	3	4	7			8	13	10	6	4
SHR	0.71	0.53	0.86			0.91	1.49	1.32	0.95	1.63
<b>OTHER LYMPHOMA</b>										
STUDY OBS	2	5	7			10	11	11	19	10
SHR	0.64	0.85	1.02			1.22	1.17	1.01	1.45	1.73
CNTRL OBS	6	12	16			23	43	33	38	15
SHR	0.75	0.77	0.84			0.99	1.57	1.01	0.93	0.80
<b>MULTIPLE MYELOMA</b>										
STUDY OBS	2	1	4			2	7	7	13	5
SHR	1.93	0.46	1.45			0.60	1.71	1.35	2.07	1.84
CNTRL OBS	3	6	11			9	14	17	22	6
SHR	1.17	1.07	1.49			0.98	1.21	1.11	1.13	0.68
<b>DIGESTIVE ORGANS</b>										
STUDY OBS	54	103	99			83	94	110	108	52
SHR	0.90	1.05	1.04			0.86	0.97	1.07	0.98	1.13
CNTRL OBS	145	289	239			254	297	310	345	134
SHR	0.99	1.16	0.94			0.97	1.09	1.02	1.01	0.90
<b>STOMACH</b>										
STUDY OBS	13	22	19			13	17	14	26	8
SHR	0.77	0.86	0.89			0.71	1.09	0.97	1.86	1.42
CNTRL OBS	39	87	64			51	49	42	37	11
SHR	0.95	1.35	1.14			1.04	1.12	0.99	0.86	0.61

Age at death: all

Big Rock Point 1 (1962)  
Charlevoix, MI ; Emmet, MI

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77		1978-82
COLON & RECTUM								
STUDY OBS	26	47	49	34	45	45	47	27
SMR	1.06	1.14	1.17	0.77	0.97	0.88	0.86	1.19
CNTRL OBS	57	112	97	105	146	152	177	79
SMR	0.96	1.07	0.87	0.88	1.12	1.01	1.04	1.08
LIVER (PRIMARY)								
STUDY OBS	9	13	7	10	1	6	2	2
SMR	1.24	1.12	0.65	1.06	0.16	1.20	0.37	0.85
CNTRL OBS	22	42	34	24	13	20	12	7
SMR	1.26	1.44	1.19	0.93	0.72	1.35	0.71	0.93
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	12	25	37	37	66	84	104	48
SMR	0.82	0.86	1.00	0.76	1.05	1.03	1.02	1.08
CNTRL OBS	19	55	94	98	186	219	312	156
SMR	0.51	0.71	0.92	0.71	1.00	0.87	0.95	1.04
BREAST (FEMALE)								
STUDY OBS	11	22	21	22	31	26	40	13
SMR	0.89	1.04	0.95	0.90	1.14	0.84	1.14	0.88
CNTRL OBS	31	61	44	59	70	98	106	49
SMR	1.05	1.14	0.76	0.89	0.91	1.08	0.99	1.04
THYROID								
STUDY OBS	0	2	0	2	0	0	0	0
SMR	0.00	1.85	0.00	2.01	0.00	0.00	0.00	0.00
CNTRL OBS	0	5	1	0	4	7	4	0
SMR	0.00	1.83	0.36	0.00	1.47	2.39	1.32	0.00
BONES & JOINTS								
STUDY OBS	0	2	2	3	2	1	1	0
SMR	0.00	0.92	1.10	1.75	1.16	0.60	0.77	0.00
CNTRL OBS	0	3	6	2	10	4	4	1
SMR	0.00	0.53	1.19	0.41	1.98	0.80	1.00	0.73
BLADDER								
STUDY OBS	3	13	7	10	18	15	19	5
SMR	0.59	1.52	0.82	1.13	1.93	1.49	1.81	1.16
CNTRL OBS	18	17	32	26	34	38	41	18
SMR	1.45	0.78	1.40	1.07	1.29	1.27	1.25	1.29
BRAIN & OTHER C.N.S.								
STUDY OBS	5	2	4	7	7	13	13	7
SMR	1.72	0.39	0.73	1.17	0.95	1.43	1.28	1.65
CNTRL OBS	7	13	15	24	18	29	33	16
SMR	0.92	0.92	0.93	1.34	0.81	1.04	1.03	1.15
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	3	4	1	0
SMR	0.00	0.00	0.00	0.00	1.12	0.93	0.39	0.00
CNTRL OBS	0	0	0	0	7	17	3	2
SMR	0.00	0.00	0.00	0.00	0.90	1.33	0.39	1.08



Table 2-B.5

Age at death: under 10	Hallam (1962) Gage, NE ; Lancaster, NE									
	YEARS BEFORE STARTUP			YEARS AFTER STARTUP						
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84		
LEUKEMIA & ALEUKEMIA										
	STUDY	3	6	9	17	5	4	3	0	
	SMR	0.81	0.82	1.08	2.37	0.91	1.05	1.11	0.00	
	CNTRL	5	9	6	5	3	1	2	0	
	SMR	1.54	1.47	0.91	0.91	0.76	0.38	1.08	0.00	
ALL CANCER, EXCL LEUK	STUDY	3	13	7	9	11	6	3	0	
	SMR	0.78	1.71	0.83	1.26	1.93	1.34	0.75	0.00	
	CNTRL	5	9	10	14	3	3	1	1	
	SMR	1.47	1.42	1.49	2.55	0.73	0.97	0.36	0.90	
HODGKIN'S DISEASE	STUDY	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL	0	0	0	1	0	0	0	0	
	SMR	0.00	0.00	0.00	13.92	0.00	0.00	0.00	0.00	
OTHER LYMPHOMA	STUDY	1	3	1	0	3	0	0	0	
	SMR	1.90	2.80	0.84	0.00	4.23	0.00	0.00	0.00	
	CNTRL	0	3	3	2	0	1	0	0	
	SMR	0.00	3.34	3.15	2.73	0.00	2.87	0.00	0.00	
MULTIPLE MYELOMA	STUDY	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DIGESTIVE ORGANS	STUDY	0	0	0	0	1	2	1	0	
	SMR	0.00	0.00	0.00	0.00	3.75	9.24	4.47	0.00	
	CNTRL	0	0	1	0	1	1	0	0	
	SMR	0.00	0.00	2.86	0.00	5.30	6.77	0.00	0.00	
STOMACH	STUDY	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Age at death: under 10

Hallam (1962)  
Gage, NE ; Lancaster, NE

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84	
COLON & RECTUM									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
LIVER (PRIMARY)									
STUDY OBS	0	0	0	0	1	1	1	0	
SMR	0.00	0.00	0.00	0.00	5.39	6.05	5.70	0.00	
CNTRL OBS	0	0	1	0	0	1	0	0	
SMR	0.00	0.00	4.72	0.00	0.00	8.86	0.00	0.00	
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BREAST (FEMALE)									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
THYROID									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BONES & JOINTS									
STUDY OBS	0	1	0	0	0	0	0	0	
SMR	0.00	3.63	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BLADDER									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BRAIN & OTHER C.N.S.									
STUDY OBS	2	5	3	6	3	2	1	0	
SMR	1.35	1.65	0.84	2.05	1.40	1.24	0.71	0.00	
CNTRL OBS	1	2	3	7	1	1	0	1	
SMR	0.76	0.79	1.05	3.12	0.65	0.89	0.00	2.56	
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0	0	1	1	0	0	
SMR	0.00	0.00	0.00	0.00	1.93	1.50	0.00	0.00	
CNTRL OBS	0	0	0	0	2	1	0	0	
SMR	0.00	0.00	0.00	0.00	5.55	2.20	0.00	0.00	



Age at death: 10 to 19

Hallam (1962)  
Gage, NE ; Lancaster, NE

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP				
	1950-52	1953-57	1958-62		1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM									
STUDY OBS	0	0	0		1	0	0	0	0
SHR	0.00	0.00	0.00		9.81	0.00	0.00	0.00	0.00
CNTRL OBS	1	0	0		0	0	0	0	0
SHR	12.05	0.00	0.00		0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)									
STUDY OBS	0	0	0		1	0	0	0	0
SHR	0.00	0.00	0.00		7.90	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0	0
SHR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	0	0	0		0	0	0	0	0
SHR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0	0
SHR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)									
STUDY OBS	0	0	0		0	0	0	0	0
SHR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0	0
SHR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
THYROID									
STUDY OBS	0	0	0		0	0	0	0	0
SHR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0	0
SHR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
BONES & JOINTS									
STUDY OBS	0	1	0		2	0	3	1	0
SHR	0.00	0.95	0.00		1.47	0.00	2.34	1.00	0.00
CNTRL OBS	0	0	2		1	1	1	0	0
SHR	0.00	0.00	2.18		1.01	0.99	1.18	0.00	0.00
BLADDER									
STUDY OBS	0	0	0		0	0	0	0	0
SHR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0	0
SHR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.									
STUDY OBS	0	0	2		4	1	1	0	0
SHR	0.00	0.00	1.23		2.30	0.54	0.58	0.00	0.00
CNTRL OBS	0	0	2		0	2	0	1	3
SHR	0.00	0.00	1.56		0.00	1.53	0.00	1.12	9.73
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0		0	0	0	0	0
SHR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0	0
SHR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00

Table 2-B.5

Age at death: 20 to 39

Hallam (1962)  
Gage, NE ; Lancaster, NE

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77		1978-82	1983-84
LEUKEMIA & ALEUKEMIA									
STUDY OBS	4	5	8	4	4	3	9	1	
SMR	1.24	0.88	1.37	0.70	0.68	0.46	1.26	0.33	
CNTRL OBS	3	1	6	4	3	5	2	0	
SMR	1.32	0.25	1.50	1.12	0.93	1.43	0.53	0.00	
ALL CANCER, EXCL LEUK									
STUDY OBS	25	32	30	51	38	44	43	17	
SMR	0.93	0.69	0.63	1.11	0.87	0.97	0.89	0.83	
CNTRL OBS	19	30	25	30	21	23	24	13	
SMR	0.95	0.88	0.74	0.98	0.79	0.88	0.89	1.11	
HODGKIN'S DISEASE									
STUDY OBS	3	2	1	5	5	3	1	1	
SMR	1.18	0.44	0.20	0.97	1.04	0.72	0.29	0.74	
CNTRL OBS	2	4	3	3	2	3	0	0	
SMR	1.12	1.27	0.89	0.95	0.76	1.36	0.00	0.00	
OTHER LYMPHOMA									
STUDY OBS	0	4	2	7	8	2	3	0	
SMR	0.00	1.53	0.69	2.39	2.74	0.63	0.85	0.00	
CNTRL OBS	1	3	0	4	0	0	4	0	
SMR	0.94	1.63	0.00	2.17	0.00	0.00	2.09	0.00	
MULTIPLE MYELOMA									
STUDY OBS	0	0	0	1	1	0	1	0	
SMR	0.00	0.00	0.00	5.56	6.42	0.00	5.31	0.00	
CNTRL OBS	0	0	0	0	0	0	0	1	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.29	
DIGESTIVE ORGANS									
STUDY OBS	7	8	7	7	4	13	5	2	
SMR	1.40	0.97	0.89	1.02	0.64	2.07	0.76	0.71	
CNTRL OBS	3	6	2	4	3	3	8	2	
SMR	0.79	0.98	0.36	0.86	0.78	0.82	2.14	1.24	
STOMACH									
STUDY OBS	2	0	2	1	0	2	1	0	
SMR	1.79	0.00	1.25	0.79	0.00	2.01	0.96	0.00	
CNTRL OBS	0	3	0	0	1	1	0	1	
SMR	0.00	2.24	0.00	0.00	1.51	1.70	0.00	3.87	

Age at death: 20 to 39

Hallam (1962)  
Gage, NE ; Lancaster, NE

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP					
	1950-52	1953-57	1958-62		1963-67	1968-72	1973-77	1978-82		1983-84
COLON & RECTUM										
STUDY	4	5	5		6	2	6	2	1	
OBS	1.58	1.19	1.28		1.76	0.65	1.93	0.62	0.74	
SMR	3	2	0		3	1	1	5	1	
CNTRL	1.56	0.65	0.00		1.30	0.52	0.55	2.73	1.28	
LIVER (PRIMARY)										
STUDY	0	0	0		0	0	2	1	0	
OBS	0.00	0.00	0.00		0.00	0.00	3.11	1.34	0.00	
SMR	0	0	1		0	0	0	2	0	
CNTRL	0.00	0.00	1.82		0.00	0.00	0.00	5.08	0.00	
TRACHEA, BRONCHUS, LUNG										
STUDY	2	1	1		0	1	3	2	2	
OBS	1.42	0.36	0.29		0.00	0.26	0.76	0.49	1.17	
SMR	0	1	1		3	3	2	2	0	
CNTRL	0.00	0.48	0.40		1.17	1.22	0.82	0.83	0.00	
BREAST (FEMALE)										
STUDY	3	7	4		6	0	5	4	3	
OBS	0.91	1.21	0.66		1.06	0.00	0.88	0.60	1.00	
SMR	3	6	4		3	3	2	4	1	
CNTRL	1.13	1.34	0.89		0.73	0.81	0.55	0.99	0.54	
THYROID										
STUDY	0	0	0		0	0	0	0	1	
OBS	0.00	0.00	0.00		0.00	0.00	0.00	0.00	19.58	
SMR	0	0	0		0	0	0	0	0	
CNTRL	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	
BONES & JOINTS										
STUDY	1	2	1		0	2	3	0	1	
OBS	1.56	1.87	0.98		0.00	1.94	2.53	0.00	1.93	
SMR	1	0	0		0	0	0	0	0	
CNTRL	2.34	0.00	0.00		0.00	0.00	0.00	0.00	0.00	
BLADDER										
STUDY	1	0	0		2	0	0	0	0	
OBS	7.08	0.00	0.00		12.88	0.00	0.00	0.00	0.00	
SMR	1	0	0		0	0	0	0	0	
CNTRL	9.24	0.00	0.00		0.00	0.00	0.00	0.00	0.00	
BRAIN & OTHER C.N.S.										
STUDY	2	5	5		4	1	2	3	2	
OBS	0.82	1.15	1.10		0.95	0.23	0.42	0.60	0.94	
SMR	1	1	3		3	3	2	1	2	
CNTRL	0.56	0.32	0.95		1.11	1.21	0.76	0.37	1.69	
BENIGN & UNSPEC NEOPLASMS										
STUDY	0	0	0		0	0	2	0	0	
OBS	0.00	0.00	0.00		0.00	0.00	1.23	0.00	0.00	
SMR	0	0	0		0	1	1	0	1	
CNTRL	0.00	0.00	0.00		0.00	1.62	1.12	0.00	10.40	



Table 2-B.5

Age at death: 40 to 59

Hallam (1962)  
Gage, NE ; Lancaster, NE

		YEARS AFTER STARTUP				YEARS BEFORE STARTUP			
		1963-67	1968-72	1973-77	1978-82	1983-84	1950-52	1953-57	1958-62
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	14	12	9	15	6	8	19	13
	SMR	1.24	1.09	0.83	1.39	1.38	1.20	1.67	1.13
CNTRL	OBS	9	8	7	6	6	5	7	4
	SMR	1.01	0.97	0.88	0.78	1.95	0.89	0.74	0.43
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	322	302	311	284	115	149	271	261
	SMR	1.00	0.89	0.90	0.82	0.82	0.84	0.90	0.84
CNTRL	OBS	225	241	222	226	80	93	201	215
	SMR	0.89	0.95	0.86	0.90	0.81	0.63	0.81	0.86
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	4	3	1	2	0	1	4	10
	SMR	0.87	0.72	0.33	0.95	0.00	0.40	0.90	2.18
CNTRL	OBS	1	3	3	0	0	2	5	4
	SMR	0.28	0.96	1.35	0.00	0.00	0.93	1.35	1.08
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	10	12	4	5	4	6	12	11
	SMR	0.93	1.07	0.37	0.45	0.87	1.30	1.41	1.14
CNTRL	OBS	10	9	15	10	6	1	6	5
	SMR	1.19	1.07	1.86	1.25	1.85	0.26	0.85	0.64
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	2	5	4	6	4	0	3	7
	SMR	0.57	1.35	0.98	1.42	2.35	0.00	0.97	1.97
CNTRL	OBS	5	4	5	1	4	1	4	0
	SMR	1.82	1.44	1.65	0.33	3.30	0.74	1.56	0.00
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	87	69	73	64	29	47	81	74
	SMR	1.06	0.87	0.96	0.88	1.01	0.85	0.90	0.87
CNTRL	OBS	52	60	47	49	18	37	48	55
	SMR	0.81	1.01	0.83	0.93	0.88	0.79	0.65	0.79
<b>STOMACH</b>									
STUDY	OBS	23	8	11	4	2	10	10	10
	SMR	1.71	0.68	1.07	0.43	0.55	0.75	0.51	0.62
CNTRL	OBS	8	5	5	7	1	5	9	17
	SMR	0.76	0.57	0.66	1.04	0.39	0.44	0.55	1.30

Age at death: 40 to 59

Hallam (1962)  
Gage, NE ; Lancaster, NE

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM								
STUDY OBS	25	41	37	48	38	42	27	14
SMR	1.06	1.05	0.98	1.31	1.06	1.19	0.81	1.08
CNTRL OBS	18	18	18	34	34	22	27	11
SMR	0.91	0.56	0.59	1.18	1.25	0.84	1.12	1.19
LIVER (PRIMARY)								
STUDY OBS	6	8	3	3	4	4	4	2
SMR	0.86	0.75	0.32	0.38	0.74	0.99	1.00	1.21
CNTRL OBS	6	8	5	2	3	3	2	1
SMR	1.03	0.91	0.65	0.32	0.74	1.01	0.70	0.86
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	16	35	45	58	59	79	69	29
SMR	0.69	0.78	0.81	0.85	0.70	0.80	0.64	0.66
CNTRL OBS	14	29	28	45	41	52	59	22
SMR	0.70	0.76	0.61	0.84	0.65	0.71	0.76	0.70
BREAST (FEMALE)								
STUDY OBS	23	36	44	54	48	46	56	11
SMR	0.93	0.84	0.97	1.13	0.97	0.93	1.17	0.58
CNTRL OBS	13	40	38	34	40	28	46	9
SMR	0.65	1.16	1.05	0.92	1.08	0.77	1.34	0.67
THYROID								
STUDY OBS	1	1	0	1	0	2	0	0
SMR	1.28	0.80	0.00	1.04	0.00	2.50	0.00	0.00
CNTRL OBS	0	0	1	0	1	0	0	0
SMR	0.00	0.00	1.11	0.00	1.55	0.00	0.00	0.00
BONES & JOINTS								
STUDY OBS	1	2	1	0	3	1	0	0
SMR	0.69	0.89	0.54	0.00	2.07	0.79	0.00	0.00
CNTRL OBS	0	0	2	1	1	2	0	0
SMR	0.00	0.00	1.32	0.80	0.92	2.14	0.00	0.00
BLADDER								
STUDY OBS	5	5	3	4	2	5	1	2
SMR	1.47	0.94	0.63	0.90	0.47	1.23	0.27	1.44
CNTRL OBS	0	2	4	2	3	1	5	1
SMR	0.00	0.45	1.03	0.57	0.92	0.33	1.87	1.00
BRAIN & OTHER C.N.S.								
STUDY OBS	9	22	10	21	17	24	13	8
SMR	1.43	1.96	0.82	1.74	1.29	1.79	1.03	1.60
CNTRL OBS	3	11	11	9	13	8	15	2
SMR	0.56	1.18	1.12	0.95	1.32	0.81	1.65	0.56
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	4	2	1	0
SMR	0.00	0.00	0.00	0.00	1.23	0.45	0.48	0.00
CNTRL OBS	0	0	0	0	1	2	1	0
SMR	0.00	0.00	0.00	0.00	0.42	0.62	0.67	0.00

Table 2-B.5

Age at death: 60 plus	Hallam (1962) Gage, NE ; Lancaster, NE									
	YEARS BEFORE STARTUP			YEARS AFTER STARTUP						
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84		
LEUKEMIA & ALEUKEMIA										
STUDY OBS	20	43	33	48	53	57	57	31	1983-84	
SMR	1.25	1.35	0.85	1.11	1.16	1.18	1.06	1.35	1.35	
CNTRL OBS	8	36	38	51	45	58	61	23	23	
SMR	0.57	1.28	1.10	1.31	1.09	1.32	1.29	1.16	1.16	
ALL CANCER, EXCL LEUK										
STUDY OBS	486	871	891	996	1092	1127	1260	553	553	
SMR	0.98	0.97	0.90	0.95	0.98	0.92	0.91	0.93	0.93	
CNTRL OBS	364	654	691	730	820	909	1058	453	453	
SMR	0.83	0.82	0.80	0.79	0.82	0.83	0.88	0.89	0.89	
HODGKIN'S DISEASE										
STUDY OBS	5	7	5	3	9	4	2	0	0	
SMR	1.60	1.21	0.79	0.46	1.41	0.76	0.46	0.00	0.00	
CNTRL OBS	2	7	5	5	4	6	3	1	1	
SMR	0.72	1.39	0.91	0.87	0.71	1.28	0.80	0.70	0.70	
OTHER LYMPHOMA										
STUDY OBS	8	20	32	36	44	39	55	28	28	
SMR	0.95	1.14	1.41	1.30	1.38	1.07	1.23	1.40	1.40	
CNTRL OBS	8	19	23	28	31	29	41	16	16	
SMR	1.08	1.24	1.16	1.15	1.09	0.90	1.06	0.94	0.94	
MULTIPLE MYELOMA										
STUDY OBS	3	5	15	14	13	32	20	7	7	
SMR	0.93	0.66	1.41	1.06	0.80	1.61	0.84	0.67	0.67	
CNTRL OBS	0	7	12	15	16	19	27	10	10	
SMR	0.00	1.05	1.29	1.29	1.10	1.07	1.31	1.13	1.13	
DIGESTIVE ORGANS										
STUDY OBS	227	366	398	397	395	399	402	179	179	
SMR	1.02	0.93	0.98	0.99	1.01	1.00	0.96	1.02	1.02	
CNTRL OBS	167	287	300	291	298	288	339	152	152	
SMR	0.85	0.83	0.84	0.81	0.85	0.80	0.92	1.01	1.01	
STOMACH										
STUDY OBS	52	92	87	83	52	55	35	18	18	
SMR	0.82	0.90	0.96	1.09	0.82	0.98	0.67	0.86	0.86	
CNTRL OBS	46	69	68	45	60	39	41	18	18	
SMR	0.81	0.76	0.84	0.66	1.04	0.77	0.89	0.99	0.99	

Age at death: 60 plus

Hallam (1962)  
Gage, NE ; Lancaster, NE

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	
COLON & RECTUM							
STUDY OBS	103	162	168	189	210	221	220
SMR	1.12	0.97	0.93	1.01	1.09	1.09	1.03
CNTRL OBS	75	129	137	146	157	158	185
SMR	0.94	0.89	0.86	0.88	0.91	0.86	0.99
LIVER (PRIMARY)							
STUDY OBS	33	46	57	30	13	9	10
SMR	1.20	0.97	1.21	0.75	0.51	0.49	0.51
CNTRL OBS	21	40	44	30	8	3	6
SMR	0.88	0.98	1.07	0.85	0.35	0.18	0.35
TRACHEA, BRONCHUS, LUNG							
STUDY OBS	32	93	103	128	173	196	246
SMR	0.74	1.00	0.81	0.78	0.83	0.74	0.74
CNTRL OBS	25	47	72	100	141	169	204
SMR	0.64	0.56	0.64	0.68	0.75	0.72	0.71
BREAST (FEMALE)							
STUDY OBS	38	92	70	99	87	102	111
SMR	0.98	1.29	0.90	1.18	0.96	1.03	1.00
CNTRL OBS	33	60	68	67	84	90	88
SMR	1.04	1.03	1.06	0.96	1.09	1.06	0.94
THYROID							
STUDY OBS	3	7	3	8	2	4	2
SMR	1.28	1.63	0.67	1.90	0.49	1.00	0.52
CNTRL OBS	1	3	2	2	2	4	3
SMR	0.50	0.82	0.53	0.55	0.56	1.13	0.91
BONES & JOINTS							
STUDY OBS	3	4	6	4	6	4	4
SMR	0.75	0.62	1.07	0.79	1.23	0.91	1.28
CNTRL OBS	7	3	2	5	2	2	2
SMR	1.97	0.53	0.40	1.12	0.46	0.51	0.74
BLADDER							
STUDY OBS	17	28	34	42	37	32	35
SMR	0.87	0.79	0.90	1.08	0.92	0.77	0.81
CNTRL OBS	11	21	26	21	22	33	37
SMR	0.63	0.66	0.76	0.59	0.60	0.85	0.96
BRAIN & OTHER C.N.S.							
STUDY OBS	6	8	10	13	20	26	24
SMR	1.62	1.08	1.05	1.12	1.22	1.18	0.91
CNTRL OBS	4	8	8	11	19	15	12
SMR	1.23	1.25	0.99	1.11	1.33	0.78	0.54
BENIGN & UNSPEC NEOPLASMS							
STUDY OBS	0	0	0	0	9	13	8
SMR	0.00	0.00	0.00	0.00	1.09	0.96	0.95
CNTRL OBS	0	0	0	0	1	7	7
SMR	0.00	0.00	0.00	0.00	0.14	0.58	0.96

Table 2-B.5

Age at death: all	Hallam (1962) Gage, NE ; Lancaster, NE									
	YEARS BEFORE STARTUP					YEARS AFTER STARTUP				
	1950-52	1953-57	1958-62	1963-67		1968-72	1973-77	1978-82	1983-84	
LEUKEMIA & ALEUKEMIA										
STUDY OBS	35	77	65	86	80	75	86	41		
SMR	1.13	1.30	0.96	1.20	1.11	1.02	1.11	1.26		
CNTRL OBS	21	54	58	72	62	75	72	29		
SMR	0.79	1.08	1.02	1.21	1.04	1.24	1.15	1.12		
ALL CANCER, EXCL LEUK										
STUDY OBS	665	1191	1193	1391	1447	1494	1592	686		
SMR	0.94	0.94	0.88	0.97	0.96	0.92	0.89	0.90		
CNTRL OBS	484	899	945	1005	1090	1161	1314	551		
SMR	0.79	0.83	0.81	0.82	0.85	0.84	0.89	0.89		
HODGKIN'S DISEASE										
STUDY OBS	9	13	16	12	18	8	5	1		
SMR	1.05	0.84	0.96	0.70	1.11	0.61	0.49	0.25		
CNTRL OBS	6	17	12	11	9	12	5	1		
SMR	0.85	1.36	0.91	0.84	0.76	1.27	0.68	0.36		
OTHER LYMPHOMA										
STUDY OBS	15	40	47	55	68	45	64	32		
SMR	0.97	1.31	1.25	1.27	1.42	0.87	1.06	1.20		
CNTRL OBS	10	33	31	45	42	48	55	23		
SMR	0.76	1.28	0.99	1.25	1.06	1.11	1.11	1.07		
MULTIPLE MYELOMA										
STUDY OBS	3	8	22	17	19	36	27	11		
SMR	0.61	0.73	1.53	1.01	0.95	1.49	0.96	0.90		
CNTRL OBS	1	11	12	20	20	24	28	15		
SMR	0.23	1.17	0.98	1.38	1.15	1.15	1.18	1.48		
DIGESTIVE ORGANS										
STUDY OBS	281	455	479	493	469	487	472	210		
SMR	0.99	0.93	0.96	1.00	0.98	1.01	0.94	1.01		
CNTRL OBS	208	341	358	347	362	339	396	172		
SMR	0.84	0.80	0.83	0.81	0.87	0.81	0.94	0.99		
STOMACH										
STUDY OBS	64	102	99	107	60	68	40	20		
SMR	0.82	0.82	0.91	1.18	0.79	1.01	0.64	0.80		
CNTRL OBS	51	81	85	53	66	45	48	20		
SMR	0.74	0.74	0.89	0.66	0.98	0.76	0.90	0.95		



Age at death: all

Hallam (1962)  
Gage, NE ; Lancaster, NE

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP				
	1950-52	1953-57	1958-62		1963-67	1968-72	1973-77	1978-82	
COLON & RECTUM									
STUDY OBS	132	208	210		244	250	269	249	109
SMR	1.12	0.99	0.95		1.07	1.08	1.11	0.99	1.05
CNTRL OBS	97	149	155		183	192	181	217	89
SMR	0.95	0.82	0.81		0.93	0.95	0.86	1.02	1.03
LIVER (PRIMARY)									
STUDY OBS	39	54	60		34	18	16	16	5
SMR	1.11	0.91	1.04		0.69	0.57	0.69	0.65	0.48
CNTRL OBS	27	48	51		32	11	7	10	3
SMR	0.89	0.95	1.03		0.76	0.40	0.35	0.49	0.35
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	50	129	149		186	233	278	317	145
SMR	0.73	0.92	0.80		0.79	0.79	0.76	0.71	0.74
CNTRL OBS	39	77	101		148	185	223	265	112
SMR	0.64	0.62	0.63		0.73	0.73	0.72	0.72	0.70
BREAST (FEMALE)									
STUDY OBS	64	135	118		159	135	153	171	59
SMR	0.96	1.13	0.91		1.16	0.93	0.99	1.03	0.84
CNTRL OBS	49	106	110		104	127	120	138	50
SMR	0.90	1.09	1.05		0.94	1.08	0.96	1.05	0.91
THYROID									
STUDY OBS	4	8	3		9	2	6	2	2
SMR	1.24	1.40	0.52		1.68	0.39	1.22	0.43	1.08
CNTRL OBS	1	3	3		2	3	4	3	0
SMR	0.37	0.62	0.62		0.44	0.70	0.95	0.77	0.00
BONES & JOINTS									
STUDY OBS	5	10	8		6	11	11	5	3
SMR	0.74	0.90	0.80		0.65	1.21	1.33	0.78	1.36
CNTRL OBS	8	3	6		7	4	5	2	0
SMR	1.38	0.32	0.72		0.94	0.56	0.78	0.43	0.00
BLADDER									
STUDY OBS	23	33	37		48	39	37	36	18
SMR	0.99	0.81	0.86		1.10	0.88	0.81	0.77	0.94
CNTRL OBS	12	23	30		23	25	34	42	15
SMR	0.58	0.63	0.78		0.59	0.62	0.81	1.02	0.90
BRAIN & OTHER C.N.S.									
STUDY OBS	19	40	30		48	42	55	41	23
SMR	1.30	1.46	0.95		1.48	1.11	1.26	0.88	1.17
CNTRL OBS	9	22	27		30	38	26	29	13
SMR	0.73	0.98	1.07		1.17	1.29	0.76	0.80	0.87
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0		0	14	18	9	1
SMR	0.00	0.00	0.00		0.00	1.03	0.87	0.76	0.37
CNTRL OBS	0	0	0		0	5	11	8	1
SMR	0.00	0.00	0.00		0.00	0.45	0.65	0.83	0.46



Table 2-B.6

Age at death: under 10			Indian Point 1,2,3 (1962) Rockland, NY ; Westchester, NY							
			YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
			1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA										
STUDY	OBS	18	25	52	42	45	19	9	7	
	SMR	1.04	0.73	1.31	1.11	1.43	0.96	0.71	1.56	
CNTRL	OBS	66	161	175	155	136	84	42	16	
	SMR	1.04	1.20	1.09	1.07	1.20	1.21	0.95	0.99	
ALL CANCER, EXCL LEUK										
STUDY	OBS	12	25	36	33	34	27	15	5	
	SMR	0.66	0.69	0.88	0.86	1.02	1.15	0.80	0.66	
CNTRL	OBS	50	157	186	172	126	91	60	21	
	SMR	0.74	1.11	1.13	1.17	1.05	1.11	0.92	0.78	
HODGKIN'S DISEASE										
STUDY	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL	OBS	0	2	0	2	0	0	0	0	
	SMR	0.00	0.77	0.00	0.98	0.00	0.00	0.00	0.00	
OTHER LYMPHOMA										
STUDY	OBS	3	3	5	5	3	0	2	0	
	SMR	1.19	0.59	0.86	0.98	0.73	0.00	1.09	0.00	
CNTRL	OBS	5	13	24	18	9	13	4	1	
	SMR	0.54	0.65	1.02	0.91	0.60	1.38	0.62	0.42	
MULTIPLE MYELOMA										
STUDY	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DIGESTIVE ORGANS										
STUDY	OBS	1	2	5	0	4	3	1	1	
	SMR	0.92	1.01	2.40	0.00	2.64	2.74	0.97	2.16	
CNTRL	OBS	6	8	14	8	4	5	3	3	
	SMR	1.50	1.05	1.68	1.17	0.74	1.31	0.84	1.83	
STOMACH										
STUDY	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL	OBS	0	0	0	0	1	0	0	0	
	SMR	0.00	0.00	0.00	0.00	9.20	0.00	0.00	0.00	

Age at death: under 10

Indian Point 1,2,3 (1962)  
Rockland, NY ; Westchester, NY

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP					
	1950-52	1953-57	1958-62		1963-67	1968-72	1973-77	1978-82		1983-84
COLON & RECTUM										
STUDY	0	0	0		0	2	0	0	0	0
OBS	0.00	0.00	0.00		0.00	17.13	0.00	0.00	0.00	0.00
SMR	2	1	1		2	1	1	1	0	0
CNTRL	3.54	0.96	1.12		3.62	2.40	3.61	3.15	0.00	0.00
LIVER (PRIMARY)										
STUDY	0	2	4		0	1	3	1	1	1
OBS	0.00	2.00	3.19		0.00	0.96	3.66	1.30	2.92	2.92
SMR	3	5	6		4	2	4	2	3	3
CNTRL	1.54	1.28	1.19		0.91	0.54	1.40	0.74	2.45	2.45
TRACHEA, BRONCHUS, LUNG										
STUDY	0	0	0		1	0	0	0	0	0
OBS	0.00	0.00	0.00		3.81	0.00	0.00	0.00	0.00	0.00
SMR	0	3	2		0	2	0	1	1	1
CNTRL	0.00	2.32	1.67		0.00	1.86	0.00	1.22	2.19	2.19
BREAST (FEMALE)										
STUDY	0	0	0		0	0	0	0	0	0
OBS	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
SMR	0	0	0		0	0	0	0	0	0
CNTRL	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
THYROID										
STUDY	0	0	0		0	0	0	0	0	0
OBS	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
SMR	0	0	0		0	0	0	0	0	0
CNTRL	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS										
STUDY	0	2	4		0	1	1	0	0	0
OBS	0.00	1.47	2.84		0.00	0.81	1.19	0.00	0.00	0.00
SMR	0	10	4		5	6	1	1	0	0
CNTRL	0.00	1.88	0.69		0.92	1.34	0.34	0.48	0.00	0.00
BLADDER										
STUDY	0	0	0		0	0	0	0	0	0
OBS	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
SMR	0	0	0		1	0	0	1	0	0
CNTRL	0.00	0.00	0.00		1.36	0.00	0.00	6.26	0.00	0.00
BRAIN & OTHER C.N.S.										
STUDY	3	13	10		16	12	11	8	2	2
OBS	0.42	0.90	0.58		1.02	0.95	1.29	1.21	0.76	0.76
SMR	20	79	86		86	28	25	18	6	6
CNTRL	0.77	1.40	1.23		1.43	0.62	0.84	0.78	0.64	0.64
BENIGN & UNSPEC NEOPLASMS										
STUDY	0	0	0		0	4	4	3	0	0
OBS	0.00	0.00	0.00		0.00	1.32	1.16	1.96	0.00	0.00
SMR	0	0	0		0	10	7	3	1	1
CNTRL	0.00	0.00	0.00		0.00	0.93	0.58	0.57	0.82	0.82
SMR										

Table 2-B.6

Age at death: 10 to 19		Indian Point 1,2,3 (1962) Rockland, NY ; Westchester, NY					
		YEARS AFTER STARTUP					
		YEARS BEFORE STARTUP		1963-67		1973-77	1978-82
		1950-52	1953-57	1958-62	1968-72	1983-84	
LEUKEMIA & ALEUKEMIA							
STUDY OBS	13		17	21	12	17	15
SMR	1.97		1.25	1.25	0.61	0.85	0.93
CNTRL OBS	18		54	63	86	81	60
SMR	0.86		1.11	0.97	1.12	1.11	1.06
ALL CANCER, EXCL LEUK							
STUDY OBS	13		29	32	44	51	27
SMR	1.01		1.11	1.01	1.17	1.41	0.92
CNTRL OBS	38		97	140	166	158	108
SMR	0.94		1.06	1.16	1.14	1.20	1.05
HODGKIN'S DISEASE							
STUDY OBS	1		3	4	6	4	1
SMR	0.73		1.08	1.13	1.48	1.61	0.53
CNTRL OBS	6		10	14	28	16	14
SMR	1.40		1.03	1.05	1.79	1.74	2.08
OTHER LYMPHOMA							
STUDY OBS	1		5	6	7	8	5
SMR	0.60		1.36	1.25	1.21	1.53	1.22
CNTRL OBS	6		14	25	24	19	18
SMR	1.15		1.07	1.36	1.08	0.99	1.24
MULTIPLE MYELOMA							
STUDY OBS	0		0	0	0	0	0
SMR	0.00		0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0		0	0	1	0	0
SMR	0.00		0.00	0.00	61.46	0.00	0.00
DIGESTIVE ORGANS							
STUDY OBS	1		1	1	2	0	1
SMR	1.15		0.69	0.68	1.22	0.00	0.67
CNTRL OBS	4		8	9	7	4	5
SMR	1.48		1.62	1.67	1.13	0.64	0.95
STOMACH							
STUDY OBS	0		0	0	1	0	0
SMR	0.00		0.00	0.00	10.02	0.00	0.00
CNTRL OBS	0		1	0	0	0	0
SMR	0.00		2.66	0.00	0.00	0.00	0.00

Age at death: 10 to 19

Indian Point 1,2,3 (1962)  
Rockland, NY ; Westchester, NY

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77		1978-82
COLON & RECTUM								
STUDY OBS	0	0	1	1	1	0	0	0
SMR	0.00	0.00	1.89	1.87	1.76	0.00	0.00	0.00
CNTRL OBS	1	3	2	1	2	2	1	0
SMR	0.74	1.43	1.05	0.51	0.94	0.88	0.58	0.00
LIVER (PRIMARY)								
STUDY OBS	1	1	0	0	4	0	1	0
SMR	5.66	2.47	0.00	0.00	5.92	0.00	1.47	0.00
CNTRL OBS	0	3	7	4	1	2	3	1
SMR	0.00	2.15	3.74	1.61	0.39	0.80	1.26	1.19
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	0	0	0	0	1	0	0	0
SMR	0.00	0.00	0.00	0.00	2.35	0.00	0.00	0.00
CNTRL OBS	0	0	0	1	2	2	0	1
SMR	0.00	0.00	0.00	0.76	1.22	1.49	0.00	3.27
BREAST (FEMALE)								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	0	0	1	0	0	0
SMR	0.00	4.55	0.00	0.00	3.52	0.00	0.00	0.00
THYROID								
STUDY OBS	0	0	0	1	0	0	0	0
SMR	0.00	0.00	0.00	9.94	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS								
STUDY OBS	7	8	4	11	9	7	5	0
SMR	2.86	1.63	0.70	1.60	1.18	1.06	0.97	0.00
CNTRL OBS	5	14	27	32	31	34	18	6
SMR	0.65	0.81	1.23	1.21	1.06	1.39	0.98	0.97
BLADDER								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	0	6	9	10	14	15	4	0
SMR	0.00	0.92	1.09	1.09	1.38	1.57	0.54	0.00
CNTRL OBS	10	32	33	38	29	40	23	12
SMR	1.01	1.37	1.04	1.07	0.75	1.16	0.88	1.36
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	4	6	0	0
SMR	0.00	0.00	0.00	0.00	1.60	1.84	0.00	0.00
CNTRL OBS	0	0	0	0	11	14	4	0
SMR	0.00	0.00	0.00	0.00	1.17	1.19	0.99	0.00

Age at death: 20 to 39

Indian Point 1,2,3 (1962)  
Rockland, NY ; Westchester, NY

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP			1983-84	
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77		1978-82
LEUKEMIA & ALEUKEMIA								
STUDY OBS	25	24	36	47	44	35	25	13
SMR	1.72	0.93	1.34	1.71	1.57	1.24	0.84	1.04
CNTRL OBS	64	100	96	105	126	95	125	37
SMR	1.22	1.03	0.93	1.04	1.28	0.96	1.19	0.83
ALL CANCER, EXCL LEUK								
STUDY OBS	150	251	293	279	270	228	258	95
SMR	1.06	1.01	1.12	1.07	1.07	0.96	1.06	0.91
CNTRL OBS	511	1006	1018	1044	895	896	855	411
SMR	1.03	1.09	1.01	1.09	1.03	1.12	1.04	1.15
HODGKIN'S DISEASE								
STUDY OBS	14	31	29	33	45	21	25	6
SMR	1.27	1.56	1.32	1.42	2.07	1.23	1.82	1.14
CNTRL OBS	47	92	110	110	118	99	78	23
SMR	1.16	1.23	1.30	1.28	1.52	1.63	1.59	1.21
OTHER LYMPHOMA								
STUDY OBS	6	16	22	20	15	28	24	11
SMR	0.87	1.31	1.61	1.38	1.04	1.98	1.54	1.61
CNTRL OBS	31	66	68	80	67	65	64	34
SMR	1.25	1.43	1.28	1.49	1.32	1.32	1.18	1.41
MULTIPLE MYELOMA								
STUDY OBS	1	2	0	3	1	5	2	1
SMR	1.69	1.76	0.00	2.50	0.90	4.63	1.68	1.90
CNTRL OBS	2	5	7	7	6	6	8	1
SMR	0.97	1.18	1.49	1.61	1.63	1.72	2.08	0.58
DIGESTIVE ORGANS								
STUDY OBS	23	49	53	40	38	28	38	10
SMR	0.84	1.06	1.18	0.95	0.97	0.77	1.03	0.63
CNTRL OBS	113	192	161	171	139	128	112	61
SMR	1.18	1.12	0.92	1.11	1.05	1.07	0.92	1.15
STOMACH								
STUDY OBS	2	11	6	6	8	4	6	3
SMR	0.31	1.05	0.62	0.72	1.11	0.63	0.95	1.09
CNTRL OBS	23	35	44	27	26	21	20	9
SMR	1.03	0.91	1.18	0.91	1.08	1.02	0.97	1.00



Indian Point 1,2,3 (1962)  
Rockland, NY ; Westchester, NY

		YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM									
	STUDY	19	25	27	18	15	19	14	5
	OBS	1.40	1.10	1.24	0.89	0.79	1.08	0.81	0.69
	SMR	60	95	65	87	47	68	57	29
CNTRL	OBS	1.25	1.11	0.76	1.17	0.73	1.17	0.98	1.18
	SMR								
LIVER (PRIMARY)									
	STUDY	0	6	4	4	6	3	5	1
	OBS	0.00	1.25	0.88	0.93	1.58	0.85	1.21	0.53
	SMR	14	13	18	20	11	11	8	11
CNTRL	OBS	1.40	0.75	1.05	1.31	0.86	0.94	0.59	1.75
	SMR								
TRACHEA, BRONCHUS, LUNG									
	STUDY	9	11	15	18	27	17	25	10
	OBS	1.19	0.71	0.75	0.76	1.06	0.70	1.05	0.99
	SMR	33	76	59	69	68	79	80	44
CNTRL	OBS	1.22	1.29	0.74	0.80	0.79	0.99	1.02	1.30
	SMR								
BREAST (FEMALE)									
	STUDY	32	46	62	47	35	40	41	17
	OBS	1.57	1.27	1.60	1.22	0.92	1.07	0.98	0.90
	SMR	86	187	207	190	153	153	137	65
CNTRL	OBS	1.25	1.41	1.36	1.34	1.19	1.27	1.01	1.05
	SMR								
THYROID									
	STUDY	0	0	1	1	4	1	0	0
	OBS	0.00	0.00	1.14	1.17	5.20	1.61	0.00	0.00
	SMR	1	1	7	2	3	0	2	0
CNTRL	OBS	0.59	0.31	2.07	0.64	1.13	0.00	1.00	0.00
	SMR								
BONES & JOINTS									
	STUDY	3	4	4	7	5	5	5	2
	OBS	1.12	0.92	0.99	1.80	1.21	1.16	1.13	1.15
	SMR	15	22	16	13	18	18	15	10
CNTRL	OBS	1.59	1.38	1.05	0.90	1.20	1.14	0.93	1.55
	SMR								
BLADDER									
	STUDY	1	0	0	0	0	1	0	0
	OBS	1.17	0.00	0.00	0.00	0.00	1.37	0.00	0.00
	SMR	2	4	3	4	3	3	1	1
CNTRL	OBS	0.70	0.87	0.69	1.09	0.99	1.24	0.39	0.82
	SMR								
BRAIN & OTHER C.N.S.									
	STUDY	15	18	22	26	26	15	24	8
	OBS	1.31	0.88	1.00	1.23	1.18	0.69	1.11	0.88
	SMR	35	79	74	78	61	69	81	38
CNTRL	OBS	0.84	1.01	0.85	0.99	0.79	0.92	1.07	1.18
	SMR								
BENIGN & UNSPEC NEOPLASMS									
	STUDY	0	0	0	0	5	9	2	1
	OBS	0.00	0.00	0.00	0.00	0.83	1.10	0.49	1.13
	SMR	0	0	0	0	18	28	11	2
CNTRL	OBS	0.00	0.00	0.00	0.00	0.88	1.01	0.79	0.66
	SMR								



Age at death: 40 to 59

Indian Point 1,2,3 (1962)  
Rockland, NY ; Westchester, NY

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77		1978-82	1983-84
LEUKEMIA & ALEUKEMIA									
	STUDY OBS	41	84	76	90	86	74	83	42
	SMR	1.04	1.16	0.96	1.11	1.07	0.95	1.08	1.39
	CNTRL OBS	127	221	267	327	285	297	298	113
SMR	1.07	0.97	1.03	1.14	0.95	1.03	1.09	1.07	
ALL CANCER, EXCL LEUK									
	STUDY OBS	1108	2179	2296	2627	2654	2540	2390	987
	SMR	1.05	1.12	1.05	1.11	1.05	0.99	0.94	0.99
	CNTRL OBS	3625	6725	7595	8893	9762	9728	9073	3503
SMR	1.16	1.13	1.09	1.09	1.05	1.02	0.99	1.00	
HODGKIN'S DISEASE									
	STUDY OBS	11	26	33	48	35	33	19	4
	SMR	0.72	0.91	1.06	1.47	1.15	1.53	1.29	0.77
	CNTRL OBS	56	100	124	157	147	81	60	17
SMR	1.22	1.09	1.16	1.33	1.29	1.01	1.15	0.95	
OTHER LYMPHOMA									
	STUDY OBS	29	68	67	99	84	89	58	44
	SMR	1.07	1.26	1.02	1.31	1.05	1.16	0.76	1.43
	CNTRL OBS	86	206	223	325	357	338	291	114
SMR	1.05	1.21	1.03	1.21	1.18	1.17	1.04	1.05	
MULTIPLE MYELOMA									
	STUDY OBS	10	19	30	27	32	31	34	14
	SMR	1.04	0.93	1.16	1.01	1.10	0.97	1.03	1.07
	CNTRL OBS	35	53	87	98	107	113	98	59
SMR	1.23	0.85	1.08	1.09	1.03	0.98	0.84	1.31	
DIGESTIVE ORGANS									
	STUDY OBS	404	701	660	712	663	644	563	236
	SMR	1.22	1.20	1.09	1.17	1.10	1.12	1.02	1.11
	CNTRL OBS	1265	2120	2340	2309	2560	2370	2133	799
SMR	1.29	1.19	1.22	1.11	1.17	1.12	1.09	1.08	
STOMACH									
	STUDY OBS	86	170	126	129	107	105	86	31
	SMR	1.05	1.28	1.06	1.24	1.16	1.31	1.19	1.12
	CNTRL OBS	306	464	466	375	416	379	326	110
SMR	1.27	1.16	1.25	1.07	1.25	1.30	1.29	1.16	

Age at death: 40 to 59

Indian Point 1,2,3 (1962)  
Rockland, NY ; Westchester, NY

	YEARS AFTER STARTUP				YEARS BEFORE STARTUP			
	1963-67	1968-72	1973-77	1978-82	1983-84	1950-52	1953-57	1958-62
COLON & RECTUM								
STUDY OBS	315	284	282	262	104	194	326	320
SMR	1.20	1.07	1.11	1.09	1.14	1.41	1.33	1.24
CNTRL OBS	1057	1204	1088	931	362	563	963	1052
SMR	1.17	1.24	1.14	1.07	1.12	1.37	1.28	1.28
LIVER (PRIMARY)								
STUDY OBS	57	17	19	16	8	53	55	56
SMR	0.96	0.40	0.60	0.50	0.61	1.28	0.79	0.83
CNTRL OBS	204	110	94	90	36	139	208	208
SMR	1.02	0.73	0.81	0.81	0.82	1.14	0.99	0.99
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	471	609	628	628	283	151	332	424
SMR	0.95	0.97	0.87	0.80	0.90	1.08	1.13	1.08
CNTRL OBS	1627	2126	2349	2434	973	505	1091	1289
SMR	0.93	0.91	0.87	0.86	0.88	1.20	1.19	1.01
BREAST (FEMALE)								
STUDY OBS	482	471	423	435	160	171	332	401
SMR	1.41	1.29	1.17	1.26	1.19	1.19	1.23	1.30
CNTRL OBS	1516	1652	1662	1460	554	500	1008	1194
SMR	1.29	1.24	1.26	1.18	1.18	1.20	1.23	1.21
THYROID								
STUDY OBS	9	7	9	2	1	3	5	11
SMR	1.27	1.09	1.54	0.39	0.54	0.66	0.63	1.43
CNTRL OBS	44	22	28	25	10	17	42	22
SMR	1.83	0.94	1.30	1.36	1.53	1.26	1.74	0.90
BONES & JOINTS								
STUDY OBS	9	12	4	9	3	5	19	7
SMR	0.78	1.11	0.42	1.36	1.46	0.57	1.31	0.53
CNTRL OBS	42	52	32	21	8	27	36	30
SMR	1.05	1.30	0.92	0.90	1.13	1.04	0.80	0.71
BLADDER								
STUDY OBS	40	27	25	34	5	13	34	39
SMR	1.20	0.84	0.84	1.29	0.51	0.63	0.97	1.13
CNTRL OBS	139	120	116	110	44	81	117	104
SMR	1.23	1.01	1.03	1.14	1.28	1.33	1.10	0.96
BRAIN & OTHER C.N.S.								
STUDY OBS	86	81	79	70	26	31	83	63
SMR	1.02	0.86	0.84	0.81	0.79	0.84	1.18	0.77
CNTRL OBS	345	337	325	272	108	106	245	281
SMR	1.14	0.95	0.92	0.87	0.92	0.95	1.09	1.02
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	28	37	17	4	0	0	0
SMR	0.00	1.13	1.12	1.08	1.31	0.00	0.00	0.00
CNTRL OBS	0	107	138	38	10	0	0	0
SMR	0.00	1.17	1.14	0.69	0.97	0.00	0.00	0.00

Age at death: 60 plus

Indian Point 1,2,3 (1962)  
Rockland, NY ; Westchester, NY

	YEARS AFTER STARTUP					YEARS BEFORE STARTUP				
	1963-67	1968-72	1973-77	1978-82	1983-84	1953-57	1958-62	1950-52		
LEUKEMIA & ALEUKEMIA										
STUDY OBS	187	227	265	308	111	166	190	78		
SMR	0.88	0.95	1.01	1.05	0.89	1.22	1.08	1.22		
CNTRL OBS	671	712	830	950	421	446	567	177		
SMR	1.00	0.94	0.99	1.00	1.02	1.07	1.03	0.93		
ALL CANCER, EXCL LEUK										
STUDY OBS	6112	6948	7872	8925	3615	4618	5070	2332		
SMR	1.15	1.14	1.13	1.13	1.08	1.19	1.11	1.17		
CNTRL OBS	19525	22121	25683	28913	12640	14663	17217	7089		
SMR	1.18	1.15	1.16	1.12	1.12	1.25	1.21	1.21		
HODGKIN'S DISEASE										
STUDY OBS	29	34	31	30	6	18	26	9		
SMR	0.86	0.97	1.04	1.23	0.65	0.71	0.87	0.70		
CNTRL OBS	116	114	99	90	37	89	103	40		
SMR	1.09	1.02	1.03	1.12	1.17	1.13	1.09	1.03		
OTHER LYMPHOMA										
STUDY OBS	159	203	225	275	126	95	96	34		
SMR	1.14	1.18	1.12	1.12	1.16	1.24	0.90	0.99		
CNTRL OBS	412	534	665	861	401	254	327	111		
SMR	0.93	0.98	1.03	1.07	1.10	1.07	0.97	1.07		
MULTIPLE MYELOMA										
STUDY OBS	65	100	97	133	62	43	59	13		
SMR	0.94	1.09	0.83	0.94	1.01	1.24	1.14	0.95		
CNTRL OBS	222	311	359	433	237	129	177	44		
SMR	1.02	1.08	0.98	0.96	1.19	1.21	1.10	1.07		
DIGESTIVE ORGANS										
STUDY OBS	2449	2530	2809	3041	1195	2063	2155	1096		
SMR	1.22	1.20	1.26	1.28	1.21	1.24	1.17	1.23		
CNTRL OBS	7926	8367	9024	9431	4019	6649	7382	3252		
SMR	1.27	1.26	1.28	1.23	1.23	1.32	1.29	1.24		
STOMACH										
STUDY OBS	474	414	431	464	153	447	431	249		
SMR	1.24	1.20	1.34	1.51	1.25	1.03	1.04	0.98		
CNTRL OBS	1590	1518	1412	1290	525	1699	1659	938		
SMR	1.34	1.41	1.41	1.33	1.32	1.30	1.30	1.26		

Age at death: 60 plus

Indian Point 1,2,3 (1962)  
Rockland, NY ; Westchester, NY

	YEARS AFTER STARTUP					YEARS BEFORE STARTUP				
	1963-67	1968-72	1973-77	1978-82	1983-84	1953-57	1958-62	1950-52		
COLON & RECTUM										
STUDY OBS	1214	1312	1471	1541	574	992	1045	511		
SHR	1.32	1.29	1.32	1.30	1.17	1.42	1.29	1.40		
CNTRL OBS	3695	4174	4627	4816	2108	2988	3463	1383		
SHR	1.28	1.30	1.31	1.26	1.31	1.41	1.38	1.30		
LIVER (PRIMARY)										
STUDY OBS	239	85	98	104	41	210	234	108		
SHR	1.19	0.61	0.92	0.90	0.84	1.04	1.08	0.97		
CNTRL OBS	850	316	305	328	143	646	745	318		
SHR	1.35	0.72	0.91	0.89	0.88	1.05	1.11	0.98		
TRACHEA, BRONCHUS, LUNG										
STUDY OBS	1035	1304	1647	2029	880	511	746	238		
SHR	1.17	1.08	1.06	1.04	1.03	1.22	1.19	1.32		
CNTRL OBS	3314	4387	5452	6802	3022	1854	2526	764		
SHR	1.19	1.15	1.08	1.03	1.01	1.42	1.28	1.38		
BREAST (FEMALE)										
STUDY OBS	508	645	669	811	327	442	414	184		
SHR	1.22	1.33	1.21	1.30	1.24	1.43	1.15	1.15		
CNTRL OBS	1603	1875	2237	2450	1104	1166	1341	570		
SHR	1.24	1.24	1.28	1.22	1.27	1.27	1.22	1.25		
THYROID										
STUDY OBS	20	23	39	36	11	13	25	11		
SHR	0.96	1.07	1.78	1.70	1.31	0.70	1.22	1.15		
CNTRL OBS	81	78	87	87	32	67	66	33		
SHR	1.24	1.15	1.26	1.28	1.16	1.20	1.04	1.19		
BONES & JOINTS										
STUDY OBS	27	28	27	16	1	27	17	11		
SHR	1.06	1.06	1.09	0.91	0.18	0.99	0.66	0.69		
CNTRL OBS	68	92	90	60	11	84	88	52		
SHR	0.85	1.10	1.14	1.05	0.60	1.01	1.10	1.10		
BLADDER										
STUDY OBS	249	265	275	290	110	202	196	110		
SHR	1.32	1.27	1.21	1.23	1.15	1.38	1.17	1.44		
CNTRL OBS	703	778	884	946	360	619	737	365		
SHR	1.19	1.17	1.23	1.26	1.15	1.38	1.41	1.62		
BRAIN & OTHER C.N.S.										
STUDY OBS	91	103	128	159	62	46	67	14		
SHR	1.44	1.08	1.00	1.06	0.98	1.32	1.38	0.88		
CNTRL OBS	211	352	531	547	236	141	183	45		
SHR	1.05	1.16	1.27	1.08	1.07	1.29	1.19	0.91		
BENIGN & UNSPEC NEOPLASMS										
STUDY OBS	0	56	121	44	13	0	0	0		
SHR	0.00	1.22	1.59	0.92	1.09	0.00	0.00	0.00		
CNTRL OBS	0	198	358	150	43	0	0	0		
SHR	0.00	1.38	1.49	0.98	1.13	0.00	0.00	0.00		

Age at death: all

Indian Point 1,2,3 (1962)  
Rockland, NY ; Westchester, NY

	YEARS AFTER STARTUP					YEARS BEFORE STARTUP				
	1963-67	1968-72	1973-77	1978-82	1983-84	1953-57	1958-62	1950-52		
LEUKEMIA & ALEUKEMIA										
STUDY OBS	378	434	410	440	176	316	375	175		
SMR	1.00	1.08	1.00	1.02	0.99	1.12	1.11	1.23		
CNTRL OBS	1344	1353	1387	1475	612	982	1168	452		
SMR	1.05	1.00	1.01	1.03	1.02	1.06	1.02	1.01		
ALL CANCER, EXCL LEUK										
STUDY OBS	9095	9958	10718	11615	4702	7102	7727	3615		
SMR	1.14	1.11	1.09	1.08	1.05	1.16	1.09	1.12		
CNTRL OBS	29800	33052	36556	39009	16613	22648	26156	11313		
SMR	1.15	1.11	1.12	1.09	1.10	1.20	1.17	1.18		
HODGKIN'S DISEASE										
STUDY OBS	116	116	89	75	16	78	92	35		
SMR	1.23	1.27	1.25	1.37	0.79	1.01	1.06	0.86		
CNTRL OBS	413	398	295	242	77	293	351	149		
SMR	1.26	1.25	1.19	1.28	1.08	1.14	1.16	1.14		
OTHER LYMPHOMA										
STUDY OBS	290	311	350	364	181	187	196	73		
SMR	1.21	1.13	1.17	1.06	1.22	1.23	1.00	1.00		
CNTRL OBS	859	981	1100	1238	556	553	667	239		
SMR	1.07	1.05	1.08	1.07	1.10	1.14	1.03	1.06		
MULTIPLE MYELOMA										
STUDY OBS	95	133	133	169	77	64	89	24		
SMR	0.98	1.09	0.89	0.96	1.03	1.14	1.13	1.00		
CNTRL OBS	328	424	478	539	297	187	271	81		
SMR	1.06	1.07	0.99	0.95	1.20	1.08	1.10	1.13		
DIGESTIVE ORGANS										
STUDY OBS	3203	3242	3484	3644	1442	2816	2874	1525		
SMR	1.21	1.18	1.22	1.23	1.18	1.22	1.15	1.22		
CNTRL OBS	10421	11073	11531	11684	4883	8977	9906	4640		
SMR	1.23	1.23	1.24	1.20	1.21	1.28	1.27	1.25		
STOMACH										
STUDY OBS	610	530	540	556	187	628	563	337		
SMR	1.23	1.19	1.33	1.44	1.22	1.09	1.04	0.99		
CNTRL OBS	1992	1961	1812	1636	644	2199	2169	1267		
SMR	1.27	1.37	1.38	1.31	1.28	1.26	1.28	1.26		



Age at death: all

Indian Point 1,2,3 (1962)  
Rockland, NY ; Westchester, NY

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77		1978-82
COLON & RECTUM								
STUDY OBS	724	1343	1393	1548	1614	1772	1817	683
SMR	1.40	1.39	1.28	1.29	1.24	1.28	1.26	1.16
CNTRL OBS	2009	4050	4583	4842	5428	5786	5806	2499
SMR	1.32	1.37	1.34	1.25	1.28	1.27	1.22	1.27
LIVER (PRIMARY)								
STUDY OBS	162	274	298	300	113	123	127	51
SMR	1.03	0.98	1.03	1.13	0.60	0.86	0.83	0.79
CNTRL OBS	474	875	984	1082	440	416	431	194
SMR	1.03	1.04	1.08	1.27	0.72	0.89	0.86	0.90
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	398	854	1185	1525	1941	2292	2682	1173
SMR	1.22	1.17	1.14	1.09	1.05	1.00	0.97	0.99
CNTRL OBS	1302	3024	3876	5011	6585	7882	9317	4041
SMR	1.30	1.32	1.16	1.08	1.06	1.01	0.98	0.98
BREAST (FEMALE)								
STUDY OBS	387	820	877	1037	1151	1132	1287	504
SMR	1.19	1.33	1.24	1.30	1.30	1.19	1.27	1.21
CNTRL OBS	1156	2362	2742	3309	3681	4052	4047	1723
SMR	1.23	1.26	1.23	1.27	1.24	1.27	1.20	1.23
THYROID								
STUDY OBS	14	18	37	31	34	49	38	12
SMR	0.95	0.66	1.27	1.07	1.18	1.72	1.41	1.14
CNTRL OBS	51	110	95	127	103	115	114	42
SMR	1.18	1.32	1.04	1.36	1.09	1.23	1.29	1.20
BONES & JOINTS								
STUDY OBS	26	60	36	54	55	44	35	6
SMR	0.85	1.14	0.72	1.10	1.09	0.96	1.02	0.54
CNTRL OBS	99	166	165	160	199	175	115	35
SMR	1.06	1.00	1.00	0.96	1.16	1.12	0.98	0.90
BLADDER								
STUDY OBS	124	236	235	289	292	301	324	115
SMR	1.27	1.29	1.15	1.30	1.20	1.17	1.23	1.08
CNTRL OBS	448	740	844	847	901	1003	1058	405
SMR	1.54	1.32	1.32	1.19	1.15	1.20	1.24	1.16
BRAIN & OTHER C.N.S.								
STUDY OBS	63	166	171	229	236	248	265	98
SMR	0.85	1.13	0.96	1.18	1.01	0.95	0.97	0.89
CNTRL OBS	216	576	657	758	807	990	941	400
SMR	0.90	1.17	1.06	1.12	0.99	1.09	0.99	1.03
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	97	177	66	18
SMR	0.00	0.00	0.00	0.00	1.18	1.43	0.93	1.11
CNTRL OBS	0	0	0	0	344	545	206	56
SMR	0.00	0.00	0.00	0.00	1.25	1.32	0.89	1.06





	YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78		1979-83
COLON & RECTUM								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)								
STUDY OBS	0	0	1	1	0	1	1	0
SMR	0.00	0.00	5.39	6.54	0.00	8.26	7.37	0.00
CNTRL OBS	1	1	2	0	0	0	0	0
SMR	2.83	2.07	3.43	0.00	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS								
STUDY OBS	0	0	0	1	0	0	0	0
SMR	0.00	0.00	0.00	5.15	0.00	0.00	0.00	0.00
CNTRL OBS	1	1	0	1	2	0	0	0
SMR	2.09	1.54	0.00	1.71	4.34	0.00	0.00	0.00
BLADDER								
STUDY OBS	0	0	1	0	0	0	0	0
SMR	0.00	0.00	33.05	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	3	5	4	0	0	0	2	0
SMR	2.17	2.30	1.62	0.00	0.00	0.00	1.82	0.00
CNTRL OBS	6	8	9	7	4	2	8	1
SMR	1.27	1.13	1.16	1.13	0.85	0.57	2.65	1.72
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	2	0	0	0
SMR	0.00	0.00	0.00	0.00	1.25	0.00	0.00	0.00



Age at death: 10 to 19

Form 1 (1963)  
Monroe, MI

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP			
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	
COLON & RECTUM							1984-84
	STUDY OBS	0	0	0	0	1	0
	SHR	0.00	0.00	0.00	0.00	14.39	0.00
CNTRL	OBS	0	0	0	0	0	0
	SHR	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)							
	STUDY OBS	0	0	1	1	0	0
	SHR	0.00	0.00	15.83	11.75	0.00	0.00
CNTRL	OBS	0	0	0	2	0	0
	SHR	0.00	0.00	0.00	7.38	0.00	0.00
TRACHEA, BRONCHUS, LUNG							
	STUDY OBS	1	0	0	0	0	0
	SHR	24.67	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	1	1	0	0
	SHR	0.00	0.00	8.28	6.97	0.00	0.00
BREAST (FEMALE)							
	STUDY OBS	0	0	0	0	0	0
	SHR	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0
	SHR	0.00	0.00	0.00	0.00	0.00	0.00
THYROID							
	STUDY OBS	0	0	0	0	0	0
	SHR	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0
	SHR	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS							
	STUDY OBS	0	1	1	1	0	0
	SHR	0.00	1.51	1.32	1.11	0.00	0.00
CNTRL	OBS	1	1	1	4	1	0
	SHR	0.66	0.45	0.40	1.41	0.41	0.00
BLADDER							
	STUDY OBS	0	0	0	0	0	0
	SHR	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0
	SHR	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.							
	STUDY OBS	0	0	3	1	0	1
	SHR	0.00	0.00	2.70	0.85	0.00	5.77
CNTRL	OBS	1	2	4	4	3	1
	SHR	0.50	0.67	1.11	1.09	0.85	2.06
BENIGN & UNSPEC NEOPLASMS							
	STUDY OBS	0	0	0	0	1	0
	SHR	0.00	0.00	0.00	0.00	2.71	0.00
CNTRL	OBS	0	0	0	0	0	0
	SHR	0.00	0.00	0.00	0.00	0.00	0.00

Age at death: 20 to 39

Fermi 1 (1963)  
Monroe, MI

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78		1979-83	1984-84
LEUKEMIA & ALEUKEMIA									
STUDY OBS	2	4	3	3	4	2	4	1	
SMR	0.97	1.41	1.03	1.02	1.30	0.59	1.07	1.35	
CNTRL OBS	3	8	11	9	14	8	11	3	
SMR	0.39	0.80	1.13	0.94	1.42	0.73	0.96	1.33	
ALL CANCER, EXCL LEUK									
STUDY OBS	19	30	25	24	32	27	19	5	
SMR	1.03	1.21	0.95	0.93	1.24	1.02	0.67	0.85	
CNTRL OBS	68	110	84	69	69	80	89	8	
SMR	0.98	1.26	0.96	0.83	0.86	0.98	1.03	0.46	
HODGKIN'S DISEASE									
STUDY OBS	2	4	1	2	3	3	1	1	
SMR	1.23	1.77	0.40	0.76	1.23	1.50	0.57	3.02	
CNTRL OBS	9	13	9	6	8	4	7	1	
SMR	1.48	1.64	1.08	0.71	1.03	0.63	1.31	1.01	
OTHER LYMPHOMA									
STUDY OBS	0	3	1	1	3	4	0	0	
SMR	0.00	2.27	0.67	0.65	1.89	2.34	0.00	0.00	
CNTRL OBS	1	6	3	3	4	8	2	1	
SMR	0.27	1.28	0.60	0.60	0.80	1.48	0.33	0.82	
MULTIPLE MYELOMA									
STUDY OBS	0	0	0	0	1	0	0	0	
SMR	0.00	0.00	0.00	0.00	10.40	0.00	0.00	0.00	
CNTRL OBS	0	2	0	0	0	1	0	0	
SMR	0.00	4.92	0.00	0.00	0.00	2.90	0.00	0.00	
DIGESTIVE ORGANS									
STUDY OBS	2	5	6	2	5	2	2	1	
SMR	0.57	1.12	1.39	0.50	1.33	0.53	0.50	1.22	
CNTRL OBS	12	15	12	13	15	13	11	1	
SMR	0.88	0.93	0.82	1.00	1.27	1.08	0.88	0.40	
STOMACH									
STUDY OBS	0	1	2	0	1	0	0	0	
SMR	0.00	1.03	2.27	0.00	1.55	0.00	0.00	0.00	
CNTRL OBS	2	2	5	5	6	4	1	0	
SMR	0.64	0.57	1.64	2.10	2.93	2.06	0.50	0.00	

Age at death: 20 to 39

Form 1 (1963)  
Monroe, MI

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM								
STUDY OBS	1	3	1	2	4	1	0	1
SMR	0.56	1.34	0.47	1.01	2.14	0.53	0.00	2.52
CNTRL OBS	8	6	6	7	7	5	7	1
SMR	1.19	0.75	0.84	1.10	1.21	0.84	1.17	0.84
LIVER (PRIMARY)								
STUDY OBS	1	1	2	0	0	0	0	0
SMR	2.80	2.28	4.82	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	1	1	0	1	0	0
SMR	0.00	0.61	0.69	0.77	0.00	0.84	0.00	0.00
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	1	3	3	5	2	1	2	0
SMR	0.99	1.85	1.46	2.16	0.79	0.39	0.76	0.00
CNTRL OBS	3	7	5	7	2	4	7	2
SMR	0.77	1.19	0.71	0.93	0.26	0.50	0.87	1.22
BREAST (FEMALE)								
STUDY OBS	4	3	5	4	4	3	3	0
SMR	1.66	0.89	1.35	1.11	1.09	0.77	0.65	0.00
CNTRL OBS	9	13	19	7	5	13	17	0
SMR	1.00	1.11	1.59	0.63	0.47	1.15	1.27	0.00
THYROID								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS								
STUDY OBS	0	0	1	1	1	0	2	1
SMR	0.00	0.00	2.24	2.36	2.12	0.00	3.54	9.44
CNTRL OBS	0	2	2	1	1	1	2	0
SMR	0.00	1.19	1.32	0.71	0.64	0.57	1.13	0.00
BLADDER								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	1	0	0	0	0	0
SMR	0.00	0.00	2.82	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	1	5	2	2	1	1	2	0
SMR	0.61	2.21	0.83	0.90	0.40	0.38	0.71	0.00
CNTRL OBS	5	12	5	9	12	13	10	0
SMR	0.82	1.52	0.63	1.26	1.54	1.60	1.18	0.00
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	1	1	1	0
SMR	0.00	0.00	0.00	0.00	1.23	1.22	2.85	0.00
CNTRL OBS	0	0	0	0	3	3	2	0
SMR	0.00	0.00	0.00	0.00	1.16	1.14	1.83	0.00



Table 2-B.7

Age at death: 40 to 59

Fermi 1 (1963)  
Monroe, MI

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78		1979-83	1984-84
LEUKEMIA & ALEUKEMIA									
	STUDY OBS	1	10	8	9	7	9	13	1
	SMR	0.23	1.68	1.23	1.30	0.98	1.25	1.79	0.70
	CNTRL OBS	14	16	14	23	21	32	21	7
SMR	0.82	0.71	0.60	0.96	0.89	1.37	0.92	1.56	
ALL CANCER, EXCL LEUK									
	STUDY OBS	103	148	176	184	194	203	242	43
	SMR	0.93	0.95	1.00	0.93	0.88	0.89	1.05	0.96
	CNTRL OBS	462	616	692	703	711	754	776	164
SMR	1.04	1.04	1.09	1.02	0.96	1.00	1.05	1.14	
HODGKIN'S DISEASE									
	STUDY OBS	2	2	4	2	2	2	0	0
	SMR	1.19	0.82	1.51	0.69	0.75	1.08	0.00	0.00
	CNTRL OBS	8	5	9	8	6	3	1	0
SMR	1.21	0.55	0.95	0.81	0.69	0.51	0.24	0.00	
OTHER LYMPHOMA									
	STUDY OBS	1	6	5	10	9	8	8	2
	SMR	0.34	1.31	0.89	1.50	1.24	1.12	1.06	1.35
	CNTRL OBS	17	13	20	37	22	21	27	8
SMR	1.44	0.75	0.99	1.60	0.91	0.90	1.14	1.70	
MULTIPLE MYELOMA									
	STUDY OBS	1	0	4	2	3	3	2	1
	SMR	0.98	0.00	1.97	0.96	1.22	1.10	0.71	1.85
	CNTRL OBS	1	4	11	4	5	15	8	1
SMR	0.25	0.62	1.48	0.54	0.60	1.64	0.88	0.56	
DIGESTIVE ORGANS									
	STUDY OBS	32	50	32	43	46	50	54	10
	SMR	0.91	1.09	0.67	0.87	0.91	1.01	1.12	1.09
	CNTRL OBS	148	188	190	189	166	158	156	31
SMR	1.05	1.08	1.10	1.09	0.96	0.95	1.01	1.03	
STOMACH									
	STUDY OBS	10	10	4	5	4	11	5	1
	SMR	1.15	1.00	0.45	0.62	0.54	1.66	0.81	0.85
	CNTRL OBS	30	36	30	29	26	17	17	4
SMR	0.86	0.94	0.92	1.03	1.03	0.77	0.86	1.04	

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78		1979-83	1984-84
COLON & RECTUM									
STUDY OBS	13	20	11	23	16	21	20	6	
SMR	0.89	1.02	0.53	1.05	0.70	0.92	0.92	1.45	
CNTRL OBS	70	82	96	101	75	80	67	12	
SMR	1.19	1.11	1.28	1.32	0.97	1.06	0.96	0.90	
LIVER (PRIMARY)									
STUDY OBS	7	6	3	3	7	1	5	0	
SMR	1.62	1.14	0.58	0.66	2.25	0.38	1.86	0.00	
CNTRL OBS	24	20	21	12	8	7	10	4	
SMR	1.37	0.99	1.11	0.75	0.75	0.80	1.14	2.30	
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	10	22	34	39	38	54	76	16	
SMR	0.63	0.85	1.00	0.88	0.67	0.81	1.05	1.13	
CNTRL OBS	52	114	145	142	193	190	236	44	
SMR	0.84	1.18	1.19	0.92	1.00	0.86	1.02	0.96	
BREAST (FEMALE)									
STUDY OBS	16	16	29	26	26	33	37	4	
SMR	1.13	0.77	1.20	0.92	0.83	1.04	1.19	0.67	
CNTRL OBS	57	70	79	98	98	106	107	23	
SMR	1.00	0.88	0.90	0.99	0.93	1.01	1.08	1.21	
THYROID									
STUDY OBS	0	1	0	0	2	0	1	0	
SMR	0.00	1.63	0.00	0.00	3.71	0.00	2.17	0.00	
CNTRL OBS	0	5	6	2	1	0	0	1	
SMR	0.00	2.14	2.79	1.01	0.55	0.00	0.00	3.62	
BONES & JOINTS									
STUDY OBS	1	0	0	1	0	1	0	0	
SMR	1.07	0.00	0.00	1.06	0.00	1.24	0.00	0.00	
CNTRL OBS	6	7	5	3	3	4	2	0	
SMR	1.61	1.63	1.37	0.91	0.96	1.50	1.16	0.00	
BLADDER									
STUDY OBS	5	2	3	2	1	2	3	0	
SMR	2.25	0.73	1.12	0.74	0.36	0.76	1.26	0.00	
CNTRL OBS	16	17	9	8	10	6	14	0	
SMR	1.81	1.63	0.93	0.84	1.07	0.68	1.84	0.00	
BRAIN & OTHER C.N.S.									
STUDY OBS	3	4	5	8	9	4	9	1	
SMR	0.73	0.67	0.71	1.09	1.01	0.46	1.07	0.61	
CNTRL OBS	19	18	30	31	22	31	32	12	
SMR	1.18	0.80	1.20	1.23	0.75	1.10	1.22	2.33	
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0	0	2	0	4	0	
SMR	0.00	0.00	0.00	0.00	0.71	0.00	3.87	0.00	
CNTRL OBS	0	0	0	0	8	9	7	2	
SMR	0.00	0.00	0.00	0.00	0.85	1.02	2.14	4.83	

Table 2-B.7

Age at death: 60 plus		Fermi 1 (1963) Monroe, MI							
		YEARS BEFORE STARTUP		YEARS AFTER STARTUP					
		1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	7	15	19	16	25	22	31	8
	SMR	0.86	1.15	1.19	0.87	1.25	0.98	1.20	1.45
CNTRL	OBS	32	54	69	77	86	100	108	28
	SMR	0.89	0.98	1.05	1.04	1.11	1.19	1.14	1.39
ALL CANCER, EXCL LEUK									
STUDY	OBS	264	386	418	428	550	512	690	165
	SMR	1.06	1.09	1.04	0.95	1.08	0.87	1.00	1.12
CNTRL	OBS	1145	1615	1824	1884	2080	2342	2700	651
	SMR	1.04	1.07	1.11	1.05	1.07	1.07	1.07	1.20
HODGKIN'S DISEASE									
STUDY	OBS	0	4	1	1	4	0	1	0
	SMR	0.00	1.70	0.38	0.35	1.39	0.00	0.48	0.00
CNTRL	OBS	3	6	10	10	7	8	11	1
	SMR	0.42	0.61	0.94	0.89	0.64	0.91	1.45	0.65
OTHER LYMPHOMA									
STUDY	OBS	3	8	10	10	20	21	23	5
	SMR	0.69	1.09	1.04	0.82	1.37	1.21	1.03	1.02
CNTRL	OBS	20	34	36	48	57	71	90	19
	SMR	1.06	1.10	0.91	0.99	1.02	1.09	1.10	1.06
MULTIPLE MYELOMA									
STUDY	OBS	2	2	5	5	7	7	7	5
	SMR	1.19	0.60	1.09	0.84	0.91	0.72	0.59	1.94
CNTRL	OBS	5	18	17	19	37	47	54	17
	SMR	0.68	1.28	0.91	0.81	1.26	1.29	1.23	1.79
DIGESTIVE ORGANS									
STUDY	OBS	109	149	162	160	192	154	216	52
	SMR	0.97	0.99	1.01	0.96	1.12	0.84	1.07	1.22
CNTRL	OBS	473	649	721	659	683	668	744	174
	SMR	0.96	1.01	1.08	0.99	1.03	0.96	1.00	1.11
STOMACH									
STUDY	OBS	42	47	34	32	26	22	20	9
	SMR	1.30	1.21	0.96	1.04	0.96	0.87	0.81	1.75
CNTRL	OBS	135	161	159	127	94	89	95	18
	SMR	0.95	0.98	1.09	1.03	0.89	0.93	1.04	0.95

Age at death: 60 plus

Fermi 1 (1963)  
Monroe, MI

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78		1979-83	1984-84
COLON & RECTUM									
STUDY OBS	38	62	73	77	94	80	119	32	
SMR	0.84	0.97	1.03	1.00	1.12	0.86	1.18	1.50	
CNTRL OBS	202	289	322	309	352	356	371	91	
SMR	1.01	1.06	1.09	0.99	1.08	1.02	1.00	1.16	
LIVER (PRIMARY)									
STUDY OBS	13	14	22	24	16	8	12	2	
SMR	0.96	0.79	1.20	1.54	1.63	0.93	1.23	0.96	
CNTRL OBS	64	78	101	66	39	16	33	8	
SMR	1.06	1.02	1.32	1.05	1.02	0.50	0.92	1.04	
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	24	55	61	70	119	135	177	44	
SMR	1.01	1.29	1.01	0.85	1.10	0.96	0.99	1.14	
CNTRL OBS	105	199	268	338	433	546	679	187	
SMR	1.03	1.15	1.13	1.09	1.08	1.06	1.03	1.32	
BREAST (FEMALE)									
STUDY OBS	15	31	28	24	37	41	47	13	
SMR	0.87	1.26	1.01	0.75	0.99	0.93	0.89	1.15	
CNTRL OBS	98	132	149	152	152	146	203	39	
SMR	1.22	1.19	1.23	1.14	1.02	0.86	1.03	0.93	
THYROID									
STUDY OBS	3	1	0	0	4	4	0	0	
SMR	2.67	0.62	0.00	0.00	2.36	2.30	0.00	0.00	
CNTRL OBS	4	8	13	6	4	5	4	0	
SMR	0.79	1.15	1.84	0.89	0.60	0.75	0.62	0.00	
BONES & JOINTS									
STUDY OBS	6	4	1	1	1	1	0	0	
SMR	2.93	1.64	0.46	0.47	0.46	0.51	0.00	0.00	
CNTRL OBS	10	13	12	11	8	10	3	1	
SMR	1.12	1.26	1.34	1.30	0.96	1.35	0.62	1.13	
BLADDER									
STUDY OBS	8	20	22	20	17	14	26	4	
SMR	0.79	1.42	1.43	1.21	0.95	0.73	1.29	0.95	
CNTRL OBS	57	84	80	83	102	92	85	16	
SMR	1.30	1.41	1.27	1.26	1.49	1.28	1.15	1.04	
BRAIN & OTHER C.N.S.									
STUDY OBS	0	0	7	5	11	8	15	4	
SMR	0.00	0.00	1.60	0.90	1.28	0.70	1.10	1.38	
CNTRL OBS	9	14	19	20	27	30	55	12	
SMR	1.05	1.04	1.10	0.94	0.84	0.71	1.10	1.13	
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0	0	4	4	5	2	
SMR	0.00	0.00	0.00	0.00	0.81	0.65	1.58	4.04	
CNTRL OBS	0	0	0	0	12	27	2	2	
SMR	0.00	0.00	0.00	0.00	0.63	1.17	0.17	1.10	

Table 2-B.7

Age at death: all	Fermi 1 (1963) Monroe, MI									
	YEARS BEFORE STARTUP		YEARS AFTER STARTUP		1974-78		1979-83		1984-84	
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84		
<b>LEUKEMIA &amp; ALEUKEMIA</b>										
STUDY OBS	14	36	35	37	46	40	48	10		
SMR	0.73	1.25	1.05	1.02	1.24	1.04	1.17	1.18		
CNTRL OBS	66	100	123	126	139	158	147	38		
SMR	0.86	0.90	0.99	0.96	1.06	1.18	1.05	1.31		
<b>ALL CANCER, EXCL LEUK</b>										
STUDY OBS	396	570	633	643	783	748	958	215		
SMR	1.03	1.05	1.03	0.94	1.03	0.88	1.00	1.08		
CNTRL OBS	1698	2368	2628	2688	2885	3196	3597	825		
SMR	1.04	1.07	1.09	1.03	1.03	1.05	1.07	1.17		
<b>HODGKIN'S DISEASE</b>										
STUDY OBS	4	10	7	5	9	7	3	1		
SMR	0.76	1.33	0.84	0.56	1.06	1.07	0.55	0.95		
CNTRL OBS	21	25	33	25	23	16	21	2		
SMR	1.01	0.88	1.09	0.80	0.80	0.72	1.18	0.58		
<b>OTHER LYMPHOMA</b>										
STUDY OBS	7	17	18	21	33	33	31	7		
SMR	0.77	1.17	0.99	0.96	1.34	1.21	0.95	1.01		
CNTRL OBS	47	56	60	93	89	101	122	28		
SMR	1.26	0.98	0.87	1.15	1.00	1.04	1.07	1.16		
<b>MULTIPLE MYELOMA</b>										
STUDY OBS	3	2	9	7	11	10	9	6		
SMR	1.08	0.39	1.33	0.86	1.08	0.80	0.60	1.90		
CNTRL OBS	6	24	28	23	42	63	62	18		
SMR	0.51	1.15	1.05	0.73	1.10	1.37	1.16	1.59		
<b>DIGESTIVE ORGANS</b>										
STUDY OBS	143	204	202	207	244	208	273	63		
SMR	0.95	1.01	0.95	0.94	1.08	0.87	1.07	1.19		
CNTRL OBS	635	854	925	863	864	840	911	206		
SMR	0.98	1.02	1.08	1.01	1.02	0.96	1.00	1.09		
<b>STOMACH</b>										
STUDY OBS	52	58	40	37	31	33	25	10		
SMR	1.24	1.16	0.89	0.94	0.88	1.01	0.79	1.55		
CNTRL OBS	167	199	194	161	126	110	113	22		
SMR	0.93	0.96	1.07	1.04	0.95	0.92	1.00	0.95		

Age at death: all

Fermi 1 (1963)  
Monroe, MI

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM								
STUDY OBS	52	85	85	102	114	103	139	39
SMR	0.84	0.99	0.91	1.01	1.05	0.88	1.11	1.50
CNTRL OBS	280	377	424	417	434	441	445	104
SMR	1.05	1.06	1.12	1.06	1.06	1.02	0.99	1.12
LIVER (PRIMARY)								
STUDY OBS	21	21	29	29	24	10	18	2
SMR	1.14	0.89	1.20	1.40	1.78	0.85	1.37	0.73
CNTRL OBS	89	100	125	81	47	24	43	12
SMR	1.12	1.01	1.28	1.00	0.93	0.56	0.92	1.22
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	36	80	98	114	159	190	255	60
SMR	0.89	1.14	1.02	0.89	0.95	0.91	1.00	1.12
CNTRL OBS	160	320	419	488	629	740	922	233
SMR	0.95	1.16	1.15	1.03	1.05	1.00	1.03	1.23
BREAST (FEMALE)								
STUDY OBS	35	50	62	54	67	77	87	17
SMR	1.04	1.02	1.11	0.85	0.93	0.96	0.98	0.93
CNTRL OBS	164	215	247	257	255	265	327	62
SMR	1.12	1.06	1.12	1.05	0.96	0.93	1.06	0.97
THYROID								
STUDY OBS	3	2	0	0	6	4	1	0
SMR	1.79	0.86	0.00	0.00	2.58	1.71	0.44	0.00
CNTRL OBS	4	13	19	8	6	5	4	1
SMR	0.55	1.34	1.98	0.88	0.68	0.58	0.49	0.60
BONES & JOINTS								
STUDY OBS	7	5	3	5	2	2	2	1
SMR	1.77	1.02	0.65	1.09	0.43	0.47	0.62	1.72
CNTRL OBS	18	24	20	20	18	16	11	1
SMR	1.12	1.25	1.16	1.21	1.09	1.09	1.04	0.52
BLADDER								
STUDY OBS	13	22	26	22	18	16	29	4
SMR	1.05	1.29	1.42	1.14	0.87	0.73	1.28	0.85
CNTRL OBS	73	101	90	91	112	98	99	16
SMR	1.38	1.44	1.23	1.20	1.43	1.21	1.21	0.95
BRAIN & OTHER C.N.S.								
STUDY OBS	7	14	21	16	21	13	30	6
SMR	0.72	0.96	1.21	0.87	0.92	0.52	1.11	1.09
CNTRL OBS	40	54	67	71	67	79	111	26
SMR	1.07	1.00	1.09	1.12	0.86	0.92	1.23	1.40
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	7	6	10	2
SMR	0.00	0.00	0.00	0.00	0.73	0.57	2.08	2.85
CNTRL OBS	0	0	0	0	26	39	12	4
SMR	0.00	0.00	0.00	0.00	0.77	1.06	0.71	1.62



Age at death: under 10

Humboldt Bay (1963)  
Humboldt, CA

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78		1979-83	1984-84
LEUKEMIA & ALEUKEMIA									
STUDY OBS	5	10	6	2	3	1	2	0	
SMR	1.73	2.12	1.13	0.50	1.10	0.57	1.56	0.00	
CNTRL OBS	7	5	8	10	4	6	2	2	
SMR	1.67	0.81	1.19	1.73	0.89	1.78	0.68	3.44	
ALL CANCER, EXCL LEUK									
STUDY OBS	3	1	6	7	3	2	0	1	
SMR	0.99	0.20	1.12	1.73	1.04	0.92	0.00	2.43	
CNTRL OBS	5	8	3	11	6	4	5	3	
SMR	1.13	1.24	0.44	1.90	1.27	0.97	1.09	3.10	
HODGKIN'S DISEASE									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	1	0	0	1	0	0	0	
SMR	0.00	8.76	0.00	0.00	15.54	0.00	0.00	0.00	
OTHER LYMPHOMA									
STUDY OBS	0	0	2	1	1	1	0	0	
SMR	0.00	0.00	2.64	1.88	2.81	4.25	0.00	0.00	
CNTRL OBS	1	0	0	0	0	1	0	0	
SMR	1.63	0.00	0.00	0.00	0.00	2.23	0.00	0.00	
MULTIPLE MYELOMA									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DIGESTIVE ORGANS									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	1	0	0	0	0	0	0	
SMR	0.00	2.97	0.00	0.00	0.00	0.00	0.00	0.00	
STOMACH									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	1	0	0	0	0	0	0	
SMR	0.00	50.38	0.00	0.00	0.00	0.00	0.00	0.00	

Humboldt Bay (1963)  
Humboldt, CA

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78		1979-83	1984-84
COLON & RECTUM									
STUDY	0	0	0	0	0	0	0	0	
OBS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SMR	0	0	0	0	0	0	0	0	
CNTRL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SMR									
LIVER (PRIMARY)									
STUDY	0	0	0	0	0	0	0	0	
OBS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SMR	0	0	0	0	0	0	0	0	
CNTRL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SMR									
TRACHEA, BRONCHUS, LUNG									
STUDY	0	0	0	0	1	0	0	0	
OBS	0.00	0.00	0.00	0.00	35.98	0.00	0.00	0.00	
SMR	0	0	0	0	0	0	0	1	
CNTRL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.32	
SMR									
BREAST (FEMALE)									
STUDY	0	0	0	0	0	0	0	0	
OBS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SMR	0	0	0	0	0	0	0	0	
CNTRL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SMR									
THYROID									
STUDY	0	0	0	0	0	0	0	0	
OBS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SMR	0	0	0	0	0	0	0	0	
CNTRL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SMR									
BONES & JOINTS									
STUDY	0	0	0	0	0	0	0	0	
OBS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SMR	1	0	0	0	0	0	0	0	
CNTRL	5.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SMR									
BLADDER									
STUDY	0	0	0	0	0	0	0	0	
OBS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SMR	0	0	0	0	0	0	0	0	
CNTRL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SMR									
BRAIN & OTHER C.N.S.									
STUDY	2	1	3	4	1	1	1	0	
OBS	1.70	0.50	1.30	2.48	0.93	1.29	1.29	0.00	
SMR	1	4	1	4	1	2	2	2	
CNTRL	0.58	1.53	0.34	1.73	0.57	1.36	1.23	5.87	
SMR									
BENIGN & UNSPEC NEOPLASMS									
STUDY	0	0	0	0	1	0	0	0	
OBS	0.00	0.00	0.00	0.00	2.80	0.00	0.00	0.00	
SMR	0	0	0	0	2	1	1	0	
CNTRL	0.00	0.00	0.00	0.00	3.37	1.74	3.54	0.00	
SMR									

Table 2-B.8

Age at death: 10 to 19		Humboldt Bay (1963) Humboldt, CA									
		YEARS BEFORE STARTUP			YEARS AFTER STARTUP						
		1950-53	1954-58	1959-63		1964-68	1969-73	1974-78	1979-83	1984-84	
LEUKEMIA & ALEUKEMIA											
STUDY	OBS	0	2	0		4	4	2	1	2	
	SMR	0.00	1.12	0.00		1.78	1.87	1.13	0.75	8.40	
CNTRL	OBS	0	1	2		5	6	2	2	0	
	SMR	0.00	0.40	0.65		1.48	1.75	0.61	0.68	0.00	
ALL CANCER, EXCL LEUK											
STUDY	OBS	2	1	1		0	3	2	4	0	
	SMR	1.01	0.30	0.24		0.00	0.75	0.62	1.64	0.00	
CNTRL	OBS	3	5	8		8	8	11	10	0	
	SMR	1.03	1.07	1.40		1.25	1.25	1.90	1.89	0.00	
HODGKIN'S DISEASE											
STUDY	OBS	1	0	1		0	0	0	0	0	
	SMR	4.83	0.00	2.11		0.00	0.00	0.00	0.00	0.00	
CNTRL	OBS	0	1	3		0	1	1	0	0	
	SMR	0.00	1.98	4.61		0.00	1.86	2.60	0.00	0.00	
OTHER LYMPHOMA											
STUDY	OBS	0	0	0		0	0	0	0	0	
	SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	
CNTRL	OBS	0	2	0		2	0	2	2	0	
	SMR	0.00	2.88	0.00		2.02	0.00	2.34	2.68	0.00	
MULTIPLE MYELOMA											
STUDY	OBS	0	0	0		0	0	0	0	0	
	SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	
CNTRL	OBS	0	0	0		0	0	0	0	0	
	SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	
DIGESTIVE ORGANS											
STUDY	OBS	0	0	0		0	1	0	0	0	
	SMR	0.00	0.00	0.00		0.00	5.92	0.00	0.00	0.00	
CNTRL	OBS	1	0	0		1	0	1	0	0	
	SMR	5.23	0.00	0.00		3.76	0.00	3.67	0.00	0.00	
STOMACH											
STUDY	OBS	0	0	0		0	0	0	0	0	
	SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	
CNTRL	OBS	0	0	0		0	0	1	0	0	
	SMR	0.00	0.00	0.00		0.00	0.00	74.46	0.00	0.00	

Age at death: 10 to 19

Humboldt Bay (1963)  
Humboldt, CA

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84	
COLON & RECTUM									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	1	0	0	0	0	0	0	0	
SMR	10.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
LIVER (PRIMARY)									
STUDY OBS	0	0	0	0	1	0	0	0	
SMR	0.00	0.00	0.00	0.00	15.89	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	1	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	17.76	0.00	0.00	
BREAST (FEMALE)									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
THYROID									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BONES & JOINTS									
STUDY OBS	0	0	0	0	1	1	0	0	
SMR	0.00	0.00	0.00	0.00	1.29	1.71	0.00	0.00	
CNTRL OBS	0	1	1	1	1	3	1	0	
SMR	0.00	1.13	0.97	0.85	0.82	2.84	1.06	0.00	
BLADDER									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BRAIN & OTHER C.N.S.									
STUDY OBS	1	0	0	0	1	0	2	0	
SMR	2.05	0.00	0.00	0.00	0.99	0.00	3.29	0.00	
CNTRL OBS	1	0	3	2	3	2	3	0	
SMR	1.37	0.00	1.99	1.32	1.84	1.31	2.20	0.00	
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0	0	1	0	0	0	
SMR	0.00	0.00	0.00	0.00	3.13	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	1	0	0	0	
SMR	0.00	0.00	0.00	0.00	1.94	0.00	0.00	0.00	

Table 2-B.8

Age at death: 20 to 39		Humboldt Bay (1963) Humboldt, CA				
		YEARS BEFORE STARTUP		YEARS AFTER STARTUP		
		1950-53	1954-58	1959-63	1964-68	1969-73
					1974-78	1979-83
						1984-84
LEUKEMIA & ALEUKEMIA						
STUDY OBS	0		3	0		
SMR	0.00		1.02	0.00	2	3
CNTRL OBS	6		3	4	0.69	0.82
SMR	2.03		0.76	1.02	3	6
ALL CANCER, EXCL LEUK					0.77	0.91
STUDY OBS	20		25	28	18	21
SMR	1.10		0.97	1.02	0.73	0.88
CNTRL OBS	27		39	32	28	30
SMR	0.99		1.10	0.88	0.79	0.75
HODGKIN'S DISEASE						
STUDY OBS	2		2	3	1	2
SMR	1.27		0.85	1.12	0.39	0.87
CNTRL OBS	2		5	2	2	4
SMR	0.87		1.62	0.60	0.58	1.24
OTHER LYMPHOMA						
STUDY OBS	1		2	2	1	2
SMR	1.05		1.44	1.24	0.66	1.37
CNTRL OBS	1		1	3	3	3
SMR	0.71		0.54	1.47	1.45	1.42
MULTIPLE MYELOMA						
STUDY OBS	0		0	1	0	0
SMR	0.00		0.00	8.41	0.00	0.00
CNTRL OBS	0		0	0	0	0
SMR	0.00		0.00	0.00	0.00	0.00
DIGESTIVE ORGANS						
STUDY OBS	6		5	5	4	2
SMR	1.71		1.07	1.10	1.06	0.61
CNTRL OBS	8		6	8	3	6
SMR	1.48		0.92	1.32	0.55	1.16
STOMACH						
STUDY OBS	0		0	0	2	1
SMR	0.00		0.00	0.00	2.91	1.78
CNTRL OBS	4		2	4	1	0
SMR	3.20		1.39	3.17	0.99	0.00
						0.83
						0.00

Age at death: 20 to 39

Humboldt Bay (1963)  
Humboldt, CA

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	
COLON & RECTUM								
STUDY OBS	4	3	1	1	0	1	0	0
SHR	2.28	1.29	0.45	0.54	0.00	0.59	0.00	0.00
CNTRL OBS	4	2	2	1	2	2	1	1
SHR	1.49	0.61	0.67	0.37	0.79	0.68	0.28	1.25
LIVER (PRIMARY)								
STUDY OBS	1	1	2	0	0	0	0	1
SHR	2.80	2.16	4.51	0.00	0.00	0.00	0.00	11.01
CNTRL OBS	0	1	0	1	1	0	0	1
SHR	0.00	1.54	0.00	1.87	2.16	0.00	0.00	5.64
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	2	1	3	2	2	2	1	0
SHR	1.96	0.58	1.37	0.92	0.95	0.91	0.44	0.00
CNTRL OBS	1	2	0	2	3	2	6	1
SHR	0.63	0.83	0.00	0.62	0.87	0.50	1.22	0.90
BREAST (FEMALE)								
STUDY OBS	2	4	4	2	4	5	3	4
SHR	0.86	1.18	1.09	0.63	1.36	1.59	0.78	4.60
CNTRL OBS	2	6	4	4	2	3	6	1
SHR	0.55	1.22	0.77	0.81	0.40	0.51	0.71	0.51
THYROID								
STUDY OBS	0	0	0	0	0	0	0	0
SHR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SHR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS								
STUDY OBS	0	1	0	0	0	0	0	0
SHR	0.00	1.99	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	3	0	0	0
SHR	0.00	0.00	0.00	0.00	4.79	0.00	0.00	0.00
BLADDER								
STUDY OBS	0	0	0	1	0	0	0	0
SHR	0.00	0.00	0.00	11.60	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	1	0
SHR	0.00	0.00	0.00	0.00	0.00	0.00	5.76	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	2	2	3	2	2	3	2	0
SHR	1.25	0.85	1.18	0.94	0.89	1.24	0.76	0.00
CNTRL OBS	0	5	0	2	1	7	2	1
SHR	0.00	1.58	0.00	0.67	0.30	1.78	0.40	0.90
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	2	1	0	0
SHR	0.00	0.00	0.00	0.00	2.66	1.27	0.00	0.00
CNTRL OBS	0	0	0	0	0	4	0	0
SHR	0.00	0.00	0.00	0.00	0.00	3.20	0.00	0.00



Table 2-B.8

Age at death: 40 to 59	Humboldt Bay (1963) Humboldt, CA									
	YEARS BEFORE STARTUP		YEARS AFTER STARTUP		1974-78		1979-83		1984-84	
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84		
<b>LEUKEMIA &amp; ALEUKEMIA</b>										
STUDY OBS	4	7	7	3	1	7	4	1		
SMR	0.90	1.10	1.01	0.44	0.16	1.18	0.71	0.91		
CNTRL OBS	7	8	11	12	12	16	24	3		
SMR	0.98	0.80	1.00	1.05	1.06	1.35	1.84	1.13		
<b>ALL CANCER, EXCL LEUK</b>										
STUDY OBS	106	146	177	191	185	187	183	46		
SMR	0.93	0.89	0.95	0.99	0.93	0.96	0.99	1.29		
CNTRL OBS	162	202	282	242	379	397	463	77		
SMR	0.89	0.77	0.95	0.73	1.06	1.03	1.10	0.90		
<b>HODGKIN'S DISEASE</b>										
STUDY OBS	0	4	1	0	2	2	1	0		
SMR	0.00	1.52	0.35	0.00	0.86	1.33	0.96	0.00		
CNTRL OBS	1	4	3	6	5	1	5	0		
SMR	0.35	0.97	0.67	1.28	1.20	0.34	2.08	0.00		
<b>OTHER LYMPHOMA</b>										
STUDY OBS	4	3	4	5	6	5	5	2		
SMR	1.29	0.61	0.67	0.77	0.93	0.84	0.86	1.75		
CNTRL OBS	5	4	4	5	17	11	16	3		
SMR	1.00	0.52	0.42	0.45	1.47	0.93	1.18	1.08		
<b>MULTIPLE MYELOMA</b>										
STUDY OBS	1	0	2	2	1	0	0	0		
SMR	0.95	0.00	0.93	0.97	0.44	0.00	0.00	0.00		
CNTRL OBS	3	3	1	2	5	2	3	1		
SMR	1.75	1.05	0.29	0.56	1.23	0.43	0.57	0.94		
<b>DIGESTIVE ORGANS</b>										
STUDY OBS	39	35	50	46	40	44	36	9		
SMR	1.07	0.72	0.99	0.94	0.86	1.03	0.92	1.21		
CNTRL OBS	56	56	79	55	92	81	91	13		
SMR	0.95	0.72	0.97	0.66	1.10	0.96	1.03	0.73		
<b>STOMACH</b>										
STUDY OBS	12	9	11	5	9	8	5	3		
SMR	1.32	0.84	1.15	0.63	1.32	1.39	1.00	3.14		
CNTRL OBS	15	14	15	7	16	13	11	1		
SMR	1.01	0.81	0.97	0.51	1.30	1.16	0.97	0.44		

Age at death: 40 to 59

Humboldt Bay (1963)  
Humboldt, CA

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84	
COLON & RECTUM									
STUDY OBS	19	15	14	23	16	21	14	4	
SMR	1.27	0.73	0.64	1.08	0.77	1.08	0.81	1.22	
CNTRL OBS	16	24	30	20	38	38	50	7	
SMR	0.66	0.73	0.86	0.55	1.01	0.99	1.25	0.88	
LIVER (PRIMARY)									
STUDY OBS	3	4	7	4	2	3	4	0	
SMR	0.68	0.72	1.28	0.89	0.69	1.31	1.79	0.00	
CNTRL OBS	9	8	7	5	4	8	4	0	
SMR	1.25	0.90	0.79	0.65	0.77	1.80	0.80	0.00	
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	16	22	31	50	64	62	58	21	
SMR	0.96	0.78	0.84	1.13	1.23	1.09	1.00	1.87	
CNTRL OBS	17	30	54	67	98	144	139	23	
SMR	0.62	0.67	0.92	0.89	1.05	1.29	1.05	0.85	
BREAST (FEMALE)									
STUDY OBS	14	18	24	24	30	29	25	4	
SMR	1.01	0.86	0.99	0.91	1.10	1.10	1.02	0.85	
CNTRL OBS	22	25	38	41	51	42	64	13	
SMR	1.01	0.76	0.97	0.91	1.03	0.79	1.12	1.13	
THYROID									
STUDY OBS	0	1	0	0	1	0	2	0	
SMR	0.00	1.55	0.00	0.00	2.07	0.00	5.51	0.00	
CNTRL OBS	0	0	0	3	0	0	0	0	
SMR	0.00	0.00	0.00	3.20	0.00	0.00	0.00	0.00	
BONES & JOINTS									
STUDY OBS	1	1	2	1	0	1	0	0	
SMR	1.03	0.82	1.85	1.07	0.00	1.46	0.00	0.00	
CNTRL OBS	0	1	4	2	1	1	2	0	
SMR	0.00	0.52	2.32	1.26	0.66	0.74	2.04	0.00	
BLADDER									
STUDY OBS	1	4	3	2	2	1	2	0	
SMR	0.43	1.35	1.03	0.74	0.78	0.44	1.05	0.00	
CNTRL OBS	2	9	7	5	3	8	2	1	
SMR	0.53	1.90	1.50	1.08	0.65	1.78	0.46	1.16	
BRAIN & OTHER C.N.S.									
STUDY OBS	0	4	7	4	5	5	4	2	
SMR	0.00	0.62	0.93	0.56	0.64	0.70	0.62	1.61	
CNTRL OBS	5	2	8	3	13	14	16	5	
SMR	0.73	0.20	0.68	0.25	0.92	0.98	1.07	1.65	
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0	0	3	4	2	0	
SMR	0.00	0.00	0.00	0.00	1.20	1.77	2.43	0.00	
CNTRL OBS	0	0	0	0	6	5	0	0	
SMR	0.00	0.00	0.00	0.00	1.33	1.12	0.00	0.00	

Table 2-B.8

Age at death: 60 plus	Humboldt Bay (1963) Humboldt, CA							
	YEARS BEFORE STARTUP		YEARS AFTER STARTUP					
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
LEUKEMIA & ALEUKEMIA								
STUDY OBS	7	11	15	30	19	19	28	4
SMR	0.86	0.85	0.95	1.63	0.95	0.86	1.10	0.72
CNTRL OBS	15	29	28	35	41	51	78	14
SMR	1.09	1.30	1.00	1.04	1.07	1.10	1.30	1.03
ALL CANCER, EXCL LEUK								
STUDY OBS	263	381	391	471	516	631	748	173
SMR	1.07	1.09	0.99	1.05	1.01	1.09	1.09	1.16
CNTRL OBS	349	515	596	724	914	1241	1689	415
SMR	0.84	0.85	0.85	0.88	0.94	1.01	1.04	1.13
HODGKIN'S DISEASE								
STUDY OBS	3	3	4	1	0	3	5	0
SMR	1.82	1.28	1.54	0.35	0.00	1.29	2.46	0.00
CNTRL OBS	2	1	4	7	3	0	2	0
SMR	0.73	0.25	0.87	1.34	0.55	0.00	0.41	0.00
OTHER LYMPHOMA								
STUDY OBS	6	13	9	22	21	18	22	6
SMR	1.38	1.79	0.95	1.83	1.45	1.06	1.01	1.24
CNTRL OBS	5	8	15	22	26	40	49	13
SMR	0.68	0.64	0.89	0.99	0.94	1.11	0.95	1.08
MULTIPLE MYELOMA								
STUDY OBS	1	3	6	9	3	10	17	3
SMR	0.58	0.89	1.32	1.52	0.39	1.05	1.43	1.15
CNTRL OBS	2	2	5	7	12	20	25	5
SMR	0.69	0.35	0.62	0.64	0.82	0.99	0.90	0.78
DIGESTIVE ORGANS								
STUDY OBS	123	165	153	167	176	172	206	49
SMR	1.12	1.11	0.97	1.01	1.03	0.95	1.03	1.14
CNTRL OBS	160	236	243	262	286	323	431	93
SMR	0.86	0.92	0.87	0.87	0.88	0.85	0.92	0.88
STOMACH								
STUDY OBS	54	61	42	36	27	17	19	3
SMR	1.68	1.58	1.20	1.16	0.98	0.67	0.76	0.57
CNTRL OBS	49	50	65	56	50	58	55	8
SMR	0.89	0.74	1.04	0.99	0.96	1.10	0.94	0.63

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84	
COLON & RECTUM									
STUDY OBS	41	56	60	82	78	88	118	22	
SMR	0.93	0.90	0.86	1.07	0.94	0.97	1.19	1.03	
CNTRL OBS	59	105	78	106	116	158	214	47	
SMR	0.79	0.98	0.64	0.76	0.74	0.83	0.92	0.90	
LIVER (PRIMARY)									
STUDY OBS	8	13	14	11	8	6	12	2	
SMR	0.61	0.75	0.78	0.71	0.81	0.70	1.22	0.93	
CNTRL OBS	22	29	27	36	10	17	23	7	
SMR	0.99	0.98	0.85	1.27	0.53	0.94	0.99	1.34	
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	33	54	52	82	99	143	191	43	
SMR	1.31	1.24	0.86	0.99	0.90	1.01	1.04	1.07	
CNTRL OBS	28	88	89	138	213	378	490	131	
SMR	0.66	1.15	0.81	0.89	0.99	1.24	1.11	1.30	
BREAST (FEMALE)									
STUDY OBS	21	21	29	39	40	48	41	12	
SMR	1.33	0.91	1.10	1.28	1.13	1.19	0.84	1.11	
CNTRL OBS	17	29	30	36	47	81	118	28	
SMR	0.67	0.76	0.67	0.66	0.71	0.95	1.03	1.08	
THYROID									
STUDY OBS	0	2	2	3	1	0	2	1	
SMR	0.00	1.29	1.23	1.86	0.60	0.00	1.20	2.83	
CNTRL OBS	1	1	4	4	4	5	1	0	
SMR	0.56	0.38	1.41	1.37	1.28	1.43	0.26	0.00	
BONES & JOINTS									
STUDY OBS	0	3	2	4	2	1	1	1	
SMR	0.00	1.24	0.93	1.89	0.92	0.51	0.77	4.13	
CNTRL OBS	2	2	2	2	3	3	2	2	
SMR	0.58	0.48	0.52	0.52	0.73	0.73	0.65	3.35	
BLADDER									
STUDY OBS	11	16	16	21	26	21	26	5	
SMR	1.11	1.15	1.05	1.26	1.43	1.08	1.29	1.16	
CNTRL OBS	21	21	19	28	29	35	60	13	
SMR	1.23	0.86	0.69	0.91	0.84	0.87	1.26	1.23	
BRAIN & OTHER C.N.S.									
STUDY OBS	1	3	3	6	5	10	19	7	
SMR	0.48	0.90	0.69	1.09	0.59	0.90	1.41	2.40	
CNTRL OBS	4	2	6	9	11	29	35	10	
SMR	1.16	0.35	0.79	0.89	0.67	1.21	1.09	1.38	
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0	0	4	7	2	1	
SMR	0.00	0.00	0.00	0.00	0.81	1.17	0.65	2.03	
CNTRL OBS	0	0	0	0	11	19	9	0	
SMR	0.00	0.00	0.00	0.00	1.17	1.51	1.26	0.00	

Table 2-B.8

Age at death: all	Humboldt Bay (1963) Humboldt, CA									
	YEARS BEFORE STARTUP			YEARS AFTER STARTUP						
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84		
LEUKEMIA & ALEUKEMIA										
	STUDY OBS	16	33	28	41	32	31	38	7	
	SMR	0.86	1.15	0.84	1.20	0.94	0.89	1.02	0.89	
	CNTRL OBS	35	46	53	65	67	84	112	22	
	1.18	1.02	1.00	1.12	1.09	1.20	1.31	1.17		
ALL CANCER, EXCL LEUK										
	STUDY OBS	394	554	603	687	728	843	955	228	
	SMR	1.03	1.01	0.97	1.02	0.99	1.05	1.06	1.19	
	CNTRL OBS	546	769	921	1013	1342	1683	2213	506	
	0.86	0.84	0.88	0.84	0.98	1.01	1.05	1.09		
HODGKIN'S DISEASE										
	STUDY OBS	6	9	9	2	4	5	7	0	
	SMR	1.14	1.16	1.04	0.23	0.51	0.83	1.42	0.00	
	CNTRL OBS	5	12	12	15	14	3	7	0	
	0.60	1.01	0.91	1.06	1.04	0.27	0.66	0.00		
OTHER LYMPHOMA										
	STUDY OBS	11	18	17	29	30	26	30	8	
	SMR	1.21	1.22	0.92	1.37	1.29	1.03	1.00	1.23	
	CNTRL OBS	12	15	22	32	46	55	69	17	
	0.82	0.63	0.73	0.87	1.07	1.07	0.98	1.08		
MULTIPLE MYELOMA										
	STUDY OBS	2	3	9	11	4	10	17	3	
	SMR	0.70	0.57	1.32	1.36	0.40	0.83	1.19	0.97	
	CNTRL OBS	5	5	6	9	17	23	28	6	
	1.06	0.57	0.51	0.62	0.90	0.92	0.84	0.80		
DIGESTIVE ORGANS										
	STUDY OBS	168	205	208	217	219	218	243	59	
	SMR	1.12	1.01	0.97	0.99	0.99	0.96	1.00	1.15	
	CNTRL OBS	225	299	330	321	384	407	524	109	
	0.89	0.87	0.90	0.82	0.93	0.86	0.93	0.87		
STOMACH										
	STUDY OBS	66	70	53	43	37	25	25	6	
	SMR	1.57	1.39	1.16	1.08	1.06	0.79	0.82	0.95	
	CNTRL OBS	68	67	84	64	66	72	67	9	
	0.96	0.78	1.06	0.90	1.01	1.11	0.95	0.59		

Age at death: all

Humboldt Bay (1963)  
Humboldt, CA

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM								
STUDY OBS	64	74	75	106	94	110	132	26
SMR	1.05	0.87	0.80	1.06	0.89	0.98	1.12	1.04
CNTRL OBS	80	131	110	127	156	198	265	55
SMR	0.79	0.91	0.69	0.71	0.79	0.85	0.96	0.90
LIVER (PRIMARY)								
STUDY OBS	12	18	23	15	11	9	16	3
SMR	0.66	0.77	0.95	0.73	0.83	0.79	1.26	1.11
CNTRL OBS	31	38	34	42	15	25	27	8
SMR	1.03	0.96	0.82	1.14	0.61	1.07	0.92	1.23
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	51	77	86	134	166	207	250	64
SMR	1.19	1.04	0.86	1.04	1.01	1.03	1.02	1.23
CNTRL OBS	46	120	143	207	314	525	635	156
SMR	0.64	0.97	0.84	0.89	1.01	1.25	1.10	1.21
BREAST (FEMALE)								
STUDY OBS	37	43	57	65	74	82	69	20
SMR	1.15	0.91	1.05	1.08	1.13	1.17	0.89	1.22
CNTRL OBS	41	60	72	81	100	126	188	42
SMR	0.80	0.79	0.81	0.78	0.83	0.87	1.04	1.07
THYROID								
STUDY OBS	0	3	2	3	2	0	4	1
SMR	0.00	1.30	0.85	1.33	0.90	0.00	1.91	2.29
CNTRL OBS	1	1	4	7	4	5	1	0
SMR	0.37	0.26	1.01	1.75	0.97	1.12	0.20	0.00
BONES & JOINTS								
STUDY OBS	1	5	4	5	3	3	1	1
SMR	0.26	1.01	0.86	1.13	0.69	0.77	0.35	1.91
CNTRL OBS	3	4	7	5	8	7	5	2
SMR	0.48	0.51	0.95	0.67	1.04	0.94	0.82	1.70
BLADDER								
STUDY OBS	12	20	19	24	28	22	28	5
SMR	0.97	1.17	1.04	1.23	1.35	1.01	1.26	1.07
CNTRL OBS	23	30	26	33	32	43	63	14
SMR	1.09	1.02	0.81	0.93	0.81	0.95	1.21	1.22
BRAIN & OTHER C.N.S.								
STUDY OBS	6	10	16	16	14	19	27	9
SMR	0.62	0.67	0.90	0.92	0.68	0.85	1.13	1.81
CNTRL OBS	11	13	18	20	29	54	58	18
SMR	0.73	0.57	0.66	0.69	0.78	1.20	1.05	1.50
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	11	12	4	1
SMR	0.00	0.00	0.00	0.00	1.24	1.25	0.90	1.50
CNTRL OBS	0	0	0	0	20	29	10	0
SMR	0.00	0.00	0.00	0.00	1.24	1.50	1.00	0.00



Table 2-B.9

Age at death: under 10

Pathfinder (1964)  
Lincoln, SD ; Minnehaha, SD

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64		1965-69	1970-74	1975-79	1980-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	4	7	3		1	3	1	1
SMR	0.92	1.37	0.58		0.24	0.99	0.50	0.61
CNTRL OBS	6	5	4		3	5	0	1
SMR	1.01	0.79	0.66		0.64	1.53	0.00	0.64
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	5	6	6		4	3	8	3
SMR	1.10	1.14	1.16		0.96	0.94	3.15	1.09
CNTRL OBS	9	8	6		5	2	2	3
SMR	1.46	1.23	1.00		1.08	0.58	0.75	1.15
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	0	0		1	0	0	0
SMR	0.00	0.00	0.00		17.93	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
<b>OTHER LYMPHOMA</b>								
STUDY OBS	0	2	1		0	0	0	0
SMR	0.00	2.64	1.37		0.00	0.00	0.00	0.00
CNTRL OBS	1	2	3		1	0	0	0
SMR	1.16	2.13	3.54		1.67	0.00	0.00	0.00
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	0	0	0		0	1	0	0
SMR	0.00	0.00	0.00		0.00	6.64	0.00	0.00
CNTRL OBS	0	1	0		0	1	0	0
SMR	0.00	3.00	0.00		0.00	6.06	0.00	0.00
<b>STOMACH</b>								
STUDY OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00

Age at death: under 10

 Pathfinder (1964)  
 Lincoln, SD ; Minnehaha, SD

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64		1965-69	1970-74	1975-79	1980-84
COLON & RECTUM								
STUDY OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
LIVER (PRIMARY)								
STUDY OBS	0	0	0		0	1	0	0
SMR	0.00	0.00	0.00		0.00	9.01	0.00	0.00
CNTRL OBS	0	1	0		0	1	0	0
SMR	0.00	5.59	0.00		0.00	8.21	0.00	0.00
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
BREAST (FEMALE)								
STUDY OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
THYROID								
STUDY OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
BONES & JOINTS								
STUDY OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
BLADDER								
STUDY OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
CNTRL OBS	0	0	1		0	0	0	0
SMR	0.00	0.00	32.48		0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	3	3	3		0	1	5	2
SMR	1.71	1.39	1.33		0.00	0.85	5.53	2.06
CNTRL OBS	4	1	2		2	2	0	1
SMR	1.67	0.37	0.77		1.11	1.58	0.00	1.09
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	1	0	0
SMR	0.00	0.00	0.00		0.00	1.78	0.00	0.00

Age at death: 10 to 19

 Pathfinder (1964)  
 Lincoln, SD ; Minnehaha, SD

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64		1965-69	1970-74	1975-79	1980-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	3	4	4		1	5	0	1
SMR	2.03	2.21	1.91		0.42	2.11	0.00	0.62
CNTRL OBS	0	4	1		4	3	2	4
SMR	0.00	1.53	0.35		1.26	0.99	0.84	2.17
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	1	3	5		4	2	2	2
SMR	0.35	0.89	1.27		0.88	0.46	0.56	0.69
CNTRL OBS	4	3	5		7	4	5	5
SMR	0.91	0.61	0.90		1.12	0.70	1.18	1.48
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	1	1	1		1	1	0	0
SMR	3.31	2.70	2.19		2.09	2.85	0.00	0.00
CNTRL OBS	2	0	0		0	0	1	0
SMR	4.23	0.00	0.00		0.00	0.00	3.52	0.00
<b>OTHER LYMPHOMA</b>								
STUDY OBS	0	0	0		3	1	1	0
SMR	0.00	0.00	0.00		4.34	1.56	1.93	0.00
CNTRL OBS	0	1	1		1	1	2	2
SMR	0.00	1.34	1.19		1.07	1.20	3.21	4.26
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
CNTRL OBS	0	0	1		1	0	0	0
SMR	0.00	0.00	4.13		3.95	0.00	0.00	0.00
<b>STOMACH</b>								
STUDY OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00

Age at death: 10 to 19

Pathfinder (1964)  
Lincoln, SD ; Minnehaha, SD

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64		1965-69	1970-74	1975-79	1980-84
COLON & RECTUM								
STUDY OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
LIVER (PRIMARY)								
STUDY OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	0	0	1		0	0	1	0
SMR	0.00	0.00	32.10		0.00	0.00	29.44	0.00
CNTRL OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
BREAST (FEMALE)								
STUDY OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
THYROID								
STUDY OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
BONES & JOINTS								
STUDY OBS	0	1	1		0	0	0	1
SMR	0.00	1.58	1.42		0.00	0.00	0.00	1.91
CNTRL OBS	0	0	0		2	1	0	2
SMR	0.00	0.00	0.00		1.73	0.89	0.00	3.26
BLADDER								
STUDY OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	0	1	0		0	0	0	1
SMR	0.00	1.16	0.00		0.00	0.00	0.00	1.36
CNTRL OBS	2	0	1		2	1	2	0
SMR	1.86	0.00	0.71		1.44	0.70	1.85	0.00
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00

Age at death: 20 to 39

Pathfinder (1964)  
Lincoln, SD ; Minnehaha, SD

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64		1965-69	1970-74	1975-79	1980-84
LEUKEMIA & ALEUKEMIA								
STUDY OBS	6	2	4		5	5	3	2
SMR	2.09	0.69	1.47		1.91	1.80	0.92	0.52
CNTRL OBS	0	2	3		2	1	4	4
SMR	0.00	0.55	0.89		0.60	0.29	1.07	1.05
ALL CANCER, EXCL LEUK								
STUDY OBS	35	31	24		16	20	26	21
SMR	1.39	1.26	1.00		0.71	0.91	1.13	0.76
CNTRL OBS	22	27	31		29	33	37	31
SMR	0.68	0.90	1.09		1.09	1.29	1.52	1.23
HODGKIN'S DISEASE								
STUDY OBS	3	9	7		3	2	2	0
SMR	1.33	3.88	2.92		1.27	0.93	1.13	0.00
CNTRL OBS	4	5	5		2	4	4	2
SMR	1.36	1.72	1.69		0.66	1.48	2.01	1.16
OTHER LYMPHOMA								
STUDY OBS	2	2	1		0	1	2	2
SMR	1.49	1.49	0.71		0.00	0.71	1.27	0.99
CNTRL OBS	0	1	1		2	2	3	5
SMR	0.00	0.60	0.57		1.19	1.15	1.71	2.56
MULTIPLE MYELOMA								
STUDY OBS	0	0	0		0	0	0	1
SMR	0.00	0.00	0.00		0.00	0.00	0.00	8.94
CNTRL OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DIGESTIVE ORGANS								
STUDY OBS	8	5	2		2	3	3	2
SMR	1.67	1.15	0.52		0.60	0.97	0.93	0.53
CNTRL OBS	3	5	9		6	3	7	3
SMR	0.49	0.96	2.04		1.57	0.86	2.12	0.89
STOMACH								
STUDY OBS	4	0	0		1	0	0	1
SMR	3.70	0.00	0.00		1.71	0.00	0.00	1.66
CNTRL OBS	0	2	0		0	0	0	0
SMR	0.00	1.81	0.00		0.00	0.00	0.00	0.00

Age at death: 20 to 39

 Pathfinder (1964)  
 Lincoln, SD ; Minnehaha, SD

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64		1965-69	1970-74	1975-79	1980-84
COLON & RECTUM								
STUDY OBS	1	3	2		1	2	3	0
SMR	0.41	1.37	1.06		0.60	1.30	1.85	0.00
CNTRL OBS	1	3	5		5	2	4	1
SMR	0.32	1.13	2.28		2.62	1.16	2.41	0.62
LIVER (PRIMARY)								
STUDY OBS	1	0	0		0	0	0	0
SMR	2.06	0.00	0.00		0.00	0.00	0.00	0.00
CNTRL OBS	0	0	1		1	0	2	1
SMR	0.00	0.00	2.35		2.60	0.00	5.83	2.58
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	2	0	3		1	0	2	1
SMR	1.47	0.00	1.56		0.50	0.00	0.95	0.43
CNTRL OBS	0	1	0		2	1	1	2
SMR	0.00	0.50	0.00		0.89	0.45	0.48	0.99
BREAST (FEMALE)								
STUDY OBS	2	4	5		3	4	3	2
SMR	0.61	1.20	1.51		0.98	1.32	0.94	0.47
CNTRL OBS	2	6	4		1	4	8	7
SMR	0.49	1.51	1.06		0.30	1.25	2.57	1.98
THYROID								
STUDY OBS	0	1	0		1	0	0	0
SMR	0.00	11.44	0.00		13.27	0.00	0.00	0.00
CNTRL OBS	0	0	1		0	0	0	1
SMR	0.00	0.00	10.18		0.00	0.00	0.00	15.75
BONES & JOINTS								
STUDY OBS	1	0	0		0	1	0	1
SMR	1.87	0.00	0.00		0.00	2.20	0.00	1.65
CNTRL OBS	2	1	1		1	3	0	1
SMR	2.79	1.58	1.76		1.80	4.61	0.00	1.47
BLADDER								
STUDY OBS	0	0	0		0	0	0	0
SMR	0.00	0.00	0.00		0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		1	0	0	1
SMR	0.00	0.00	0.00		11.85	0.00	0.00	12.98
BRAIN & OTHER C.N.S.								
STUDY OBS	2	2	0		2	3	3	4
SMR	0.89	0.87	0.00		1.04	1.34	1.29	1.41
CNTRL OBS	2	0	1		5	5	4	3
SMR	0.69	0.00	0.37		2.13	1.83	1.58	1.11
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0		0	1	0	0
SMR	0.00	0.00	0.00		0.00	1.13	0.00	0.00
CNTRL OBS	0	0	0		0	2	0	0
SMR	0.00	0.00	0.00		0.00	1.85	0.00	0.00



Age at death: 40 to 59

Pathfinder (1964)  
Lincoln, SD ; Minnehaha, SD

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64		1965-69	1970-74	1975-79	1980-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	9	9	5		4	14	7	7
SMR	1.44	1.43	0.79		0.62	2.24	1.12	1.10
CNTRL OBS	9	8	9		4	9	5	4
SMR	1.00	0.92	1.07		0.49	1.19	0.70	0.60
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	139	147	176		171	177	168	183
SMR	0.85	0.89	1.02		0.91	0.89	0.84	0.90
CNTRL OBS	172	188	180		186	200	219	173
SMR	0.74	0.82	0.78		0.78	0.83	0.95	0.80
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	1	1	2		1	2	2	0
SMR	0.42	0.39	0.78		0.37	0.89	1.40	0.00
CNTRL OBS	5	9	3		2	4	3	2
SMR	1.46	2.55	0.89		0.60	1.49	1.86	1.73
<b>OTHER LYMPHOMA</b>								
STUDY OBS	2	3	3		6	7	2	5
SMR	0.46	0.61	0.54		0.94	1.08	0.32	0.74
CNTRL OBS	3	6	9		8	5	9	4
SMR	0.48	0.87	1.21		0.99	0.64	1.25	0.56
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	2	1	2		1	0	3	1
SMR	1.34	0.55	1.01		0.53	0.00	1.24	0.41
CNTRL OBS	2	2	3		2	2	4	4
SMR	0.93	0.78	1.12		0.83	0.73	1.43	1.52
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	48	38	51		46	53	41	47
SMR	0.93	0.80	1.12		1.00	1.18	0.95	1.13
CNTRL OBS	56	40	57		56	61	56	50
SMR	0.76	0.60	0.93		0.96	1.11	1.12	1.12
<b>STOMACH</b>								
STUDY OBS	11	9	10		4	6	6	5
SMR	0.88	0.92	1.23		0.57	0.94	1.07	0.95
CNTRL OBS	17	10	13		11	8	6	4
SMR	0.95	0.73	1.20		1.23	1.03	0.94	0.72

Age at death: 40 to 59

Pathfinder (1964)  
Lincoln, SD ; Minnehaha, SD

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64		1965-69	1970-74	1975-79	1980-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	19	15	24		17	31	15	22
SMR	0.87	0.72	1.19		0.82	1.50	0.74	1.16
CNTRL OBS	23	14	22		28	34	29	30
SMR	0.74	0.48	0.81		1.06	1.35	1.24	1.47
<b>LIVER (PRIMARY)</b>								
STUDY OBS	0	5	3		1	2	3	4
SMR	0.00	0.93	0.61		0.25	0.82	1.35	1.70
CNTRL OBS	5	6	5		2	3	1	1
SMR	0.55	0.80	0.75		0.39	1.02	0.39	0.40
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	12	20	24		42	32	46	58
SMR	0.53	0.72	0.72		0.99	0.61	0.77	0.90
CNTRL OBS	19	21	18		26	41	46	45
SMR	0.58	0.54	0.40		0.48	0.64	0.67	0.65
<b>BREAST (FEMALE)</b>								
STUDY OBS	21	43	25		22	36	23	21
SMR	0.97	1.86	1.01		0.80	1.27	0.82	0.76
CNTRL OBS	29	47	28		31	24	39	28
SMR	0.95	1.48	0.85		0.90	0.70	1.21	0.95
<b>THYROID</b>								
STUDY OBS	2	0	1		0	0	0	0
SMR	2.81	0.00	1.76		0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0		1	0	0	0
SMR	0.00	0.00	0.00		1.53	0.00	0.00	0.00
<b>BONES &amp; JOINTS</b>								
STUDY OBS	0	0	0		0	2	1	0
SMR	0.00	0.00	0.00		0.00	2.47	1.48	0.00
CNTRL OBS	1	1	1		0	0	0	1
SMR	0.52	0.62	0.80		0.00	0.00	0.00	2.26
<b>BLADDER</b>								
STUDY OBS	5	4	5		2	1	3	2
SMR	1.55	1.44	2.00		0.81	0.41	1.29	0.98
CNTRL OBS	1	1	0		1	1	2	2
SMR	0.21	0.26	0.00		0.31	0.33	0.74	0.90
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	0	2	10		3	3	5	5
SMR	0.00	0.31	1.44		0.44	0.37	0.67	0.68
CNTRL OBS	6	14	10		12	6	6	12
SMR	0.70	1.57	1.09		1.39	0.61	0.70	1.54
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0		0	0	2	0
SMR	0.00	0.00	0.00		0.00	0.00	0.94	0.00
CNTRL OBS	0	0	0		0	2	2	0
SMR	0.00	0.00	0.00		0.00	0.53	0.82	0.00

Table 2-B.9

Age at death: 60 plus			Pathfinder (1964) Lincoln, SD ; Minnehaha, SD								
			YEARS BEFORE STARTUP				YEARS AFTER STARTUP				
1950-54			1955-59	1960-64	1965-69				1970-74	1975-79	1980-84
LEUKEMIA & ALEUKEMIA											
STUDY	OBS	12	25	29	24	37	21	22			
	SMR	0.91	1.42	1.36	0.98	1.41	0.72	0.67			
CNTRL	OBS	22	40	46	45	42	42	52			
	SMR	1.07	1.51	1.48	1.27	1.13	1.06	1.21			
ALL CANCER, EXCL LEUK											
STUDY	OBS	398	479	488	542	629	762	813			
	SMR	0.99	1.03	0.94	0.93	0.97	1.03	0.96			
CNTRL	OBS	618	674	703	818	829	871	969			
	SMR	0.99	0.97	0.92	0.98	0.91	0.88	0.88			
HODGKIN'S DISEASE											
STUDY	OBS	2	4	5	6	4	3	2			
	SMR	0.77	1.30	1.49	1.67	1.14	1.12	0.83			
CNTRL	OBS	6	6	8	9	10	4	1			
	SMR	1.49	1.31	1.64	1.76	2.05	1.11	0.32			
OTHER LYMPHOMA											
STUDY	OBS	14	13	10	27	20	24	28			
	SMR	2.01	1.30	0.78	1.68	1.06	1.08	0.98			
CNTRL	OBS	13	21	17	38	29	21	31			
	SMR	1.21	1.41	0.91	1.65	1.10	0.70	0.84			
MULTIPLE MYELOMA											
STUDY	OBS	4	5	10	6	10	12	19			
	SMR	1.48	1.08	1.65	0.77	1.01	0.98	1.29			
CNTRL	OBS	5	9	9	13	17	19	18			
	SMR	1.20	1.31	1.03	1.17	1.23	1.15	0.95			
DIGESTIVE ORGANS											
STUDY	OBS	195	198	206	213	215	235	256			
	SMR	1.08	1.01	0.99	0.99	0.98	1.00	1.02			
CNTRL	OBS	281	302	294	300	291	296	312			
	SMR	1.00	1.03	0.97	0.97	0.95	0.94	0.96			
STOMACH											
STUDY	OBS	66	56	58	52	36	35	37			
	SMR	1.27	1.16	1.32	1.37	1.08	1.12	1.24			
CNTRL	OBS	103	88	69	63	53	33	36			
	SMR	1.27	1.20	1.07	1.15	1.12	0.78	0.92			

Age at death: 60 plus

Pathfinder (1964)  
Lincoln, SD ; Minnehaha, SD

	YEARS AFTER STARTUP				YEARS BEFORE STARTUP			
	1955-59	1960-64	1970-74	1975-79	1980-84	1950-54	1955-59	1960-64
COLON & RECTUM								
STUDY OBS	79	78	103	123	128	75	79	78
SMR	0.93	0.83	0.94	1.02	1.01	1.02	0.93	0.83
CNTRL OBS	127	123	141	169	161	100	127	123
SMR	1.00	0.90	0.91	1.04	0.98	0.87	1.00	0.90
LIVER (PRIMARY)								
STUDY OBS	22	25	7	5	5	14	22	25
SMR	0.95	1.05	0.66	0.48	0.42	0.64	0.95	1.05
CNTRL OBS	31	27	9	10	10	20	31	27
SMR	0.90	0.78	0.61	0.71	0.65	0.59	0.90	0.78
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	46	54	100	146	175	28	46	54
SMR	0.82	0.70	0.76	0.86	0.81	0.74	0.82	0.70
CNTRL OBS	51	76	121	154	221	42	51	76
SMR	0.60	0.67	0.65	0.67	0.80	0.72	0.60	0.67
BREAST (FEMALE)								
STUDY OBS	49	36	50	68	78	32	49	36
SMR	1.43	0.94	1.00	1.18	1.16	1.11	1.43	0.94
CNTRL OBS	63	63	76	71	77	51	63	63
SMR	1.27	1.17	1.13	0.95	0.92	1.17	1.27	1.17
THYROID								
STUDY OBS	1	2	1	2	2	0	1	2
SMR	0.47	0.91	0.45	0.89	0.93	0.00	0.47	0.91
CNTRL OBS	2	3	2	5	4	3	2	3
SMR	0.63	0.95	0.65	1.67	1.45	1.06	0.63	0.95
BONES & JOINTS								
STUDY OBS	2	4	3	2	2	5	2	4
SMR	0.65	1.49	1.10	0.84	1.42	1.52	0.65	1.49
CNTRL OBS	3	4	5	5	2	2	3	4
SMR	0.65	1.02	1.31	1.55	1.09	0.39	0.65	1.02
BLADDER								
STUDY OBS	14	12	25	27	22	19	14	12
SMR	0.76	0.60	1.07	1.08	0.86	1.17	0.76	0.60
CNTRL OBS	22	23	30	27	29	14	22	23
SMR	0.79	0.77	0.90	0.78	0.86	0.55	0.79	0.77
BRAIN & OTHER C.N.S.								
STUDY OBS	9	5	10	26	13	2	9	5
SMR	2.07	0.89	0.92	1.88	0.80	0.63	2.07	0.89
CNTRL OBS	7	10	12	16	17	5	7	10
SMR	1.10	1.25	0.81	0.87	0.82	1.04	1.10	1.25
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	8	9	4	0	0	0
SMR	0.00	0.00	1.03	1.19	1.38	0.00	0.00	0.00
CNTRL OBS	0	0	12	9	2	0	0	0
SMR	0.00	0.00	1.10	0.88	0.53	0.00	0.00	0.00

Table 2-B.9

Age at death: all	Pathfinder (1964) Lincoln, SD ; Minnehaha, SD							
	YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
LEUKEMIA & ALEUKEMIA								
	STUDY OBS	34	47	45	35	64	32	33
	SMR	1.21	1.39	1.20	0.87	1.57	0.75	0.71
	CNTRL OBS	37	59	63	58	60	53	65
	SMR	0.89	1.24	1.21	1.06	1.10	0.96	1.14
ALL CANCER, EXCL LEUK	STUDY OBS	578	666	699	737	831	966	1022
	SMR	0.97	1.00	0.96	0.92	0.95	1.00	0.94
	CNTRL OBS	825	900	925	1045	1068	1134	1181
	SMR	0.91	0.93	0.90	0.94	0.90	0.90	0.88
	HODGKIN'S DISEASE	STUDY OBS	7	15	15	12	9	7
SMR		0.91	1.78	1.70	1.31	1.08	1.14	0.37
CNTRL OBS		17	20	16	13	18	12	5
	SMR	1.54	1.71	1.34	1.06	1.67	1.60	0.80
	OTHER LYMPHOMA	STUDY OBS	18	20	15	36	29	29
SMR		1.32	1.14	0.71	1.43	1.04	0.94	0.92
CNTRL OBS		17	31	31	50	37	35	42
	SMR	0.84	1.24	1.05	1.46	0.99	0.88	0.90
	MULTIPLE MYELOMA	STUDY OBS	6	6	12	7	10	15
SMR		1.39	0.91	1.47	0.72	0.82	1.01	1.21
CNTRL OBS		7	11	12	15	19	23	22
	SMR	1.09	1.15	1.04	1.10	1.14	1.18	1.01
	DIGESTIVE ORGANS	STUDY OBS	251	241	259	261	272	279
SMR		1.06	0.97	1.00	0.99	1.02	0.99	1.03
CNTRL OBS		340	348	361	363	356	359	365
	SMR	0.94	0.95	0.97	0.98	0.97	0.97	0.98
	STOMACH	STUDY OBS	81	65	68	57	42	41
SMR		1.24	1.10	1.29	1.25	1.04	1.10	1.20
CNTRL OBS		120	100	82	74	61	39	40
	SMR	1.19	1.14	1.08	1.15	1.10	0.79	0.89

Age at death: all

Pathfinder (1964)  
Lincoln, SD ; Minnehaha, SD

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64		1965-69	1970-74	1975-79	1980-84
COLON & RECTUM								
STUDY OBS	95	97	104		104	136	141	150
SMR	0.97	0.90	0.90		0.84	1.03	0.99	1.01
CNTRL OBS	124	144	150		161	177	202	192
SMR	0.83	0.91	0.90		0.92	0.98	1.08	1.03
LIVER (PRIMARY)								
STUDY OBS	15	27	28		19	10	8	9
SMR	0.52	0.93	0.96		0.81	0.75	0.61	0.60
CNTRL OBS	25	38	33		25	13	13	12
SMR	0.57	0.89	0.79		0.76	0.71	0.76	0.65
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	42	66	82		106	132	195	234
SMR	0.68	0.77	0.73		0.72	0.71	0.84	0.83
CNTRL OBS	61	73	94		110	163	201	268
SMR	0.66	0.58	0.59		0.54	0.64	0.67	0.77
BREAST (FEMALE)								
STUDY OBS	55	96	66		81	90	94	101
SMR	1.02	1.58	0.99		1.09	1.10	1.06	1.02
CNTRL OBS	82	116	95		96	104	118	112
SMR	1.04	1.36	1.05		0.97	0.99	1.08	0.96
THYROID								
STUDY OBS	2	2	3		1	1	2	2
SMR	0.75	0.69	1.05		0.36	0.36	0.73	0.76
CNTRL OBS	3	2	4		4	2	5	5
SMR	0.75	0.48	0.99		1.05	0.53	1.40	1.54
BONES & JOINTS								
STUDY OBS	6	3	5		0	6	3	4
SMR	1.02	0.54	1.02		0.00	1.21	0.69	1.31
CNTRL OBS	5	5	6		8	9	5	6
SMR	0.56	0.62	0.87		1.17	1.34	0.90	1.65
BLADDER								
STUDY OBS	24	18	17		27	26	30	24
SMR	1.23	0.84	0.75		1.12	1.00	1.09	0.87
CNTRL OBS	15	23	24		33	31	29	32
SMR	0.50	0.72	0.72		0.95	0.85	0.78	0.88
BRAIN & OTHER C.N.S.								
STUDY OBS	7	17	18		13	17	39	25
SMR	0.50	1.05	1.00		0.71	0.72	1.53	0.89
CNTRL OBS	19	22	24		38	26	28	33
SMR	0.96	1.00	1.00		1.60	0.86	0.89	1.00
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0		0	9	11	4
SMR	0.00	0.00	0.00		0.00	0.71	1.00	1.04
CNTRL OBS	0	0	0		0	17	11	2
SMR	0.00	0.00	0.00		0.00	1.01	0.78	0.43



Table 2-B.10(MORT)

Age at death: under 10	Haddam Neck (1967) Middlesex, CT							
	YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA								
STUDY OBS	3	3	2	6	3	3	3	0
SMR	1.77	0.88	0.50	1.50	0.86	1.27	2.00	0.00
CNTRL OBS	6	21	9	9	6	5	6	1
SMR	1.09	1.97	0.74	0.75	0.57	0.71	1.30	0.61
ALL CANCER, EXCL LEUK								
STUDY OBS	3	5	6	5	7	0	1	1
SMR	1.69	1.41	1.48	1.25	1.92	0.00	0.46	1.17
CNTRL OBS	7	11	6	11	9	6	7	2
SMR	1.22	1.00	0.49	0.92	0.83	0.75	1.05	0.74
HODGKIN'S DISEASE								
STUDY OBS	0	1	0	0	0	0	0	0
SMR	0.00	15.54	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	1	0	0	0	0
SMR	0.00	0.00	0.00	6.36	0.00	0.00	0.00	0.00
OTHER LYMPHOMA								
STUDY OBS	1	0	1	0	1	0	0	0
SMR	4.05	0.00	1.73	0.00	2.20	0.00	0.00	0.00
CNTRL OBS	1	1	0	1	0	1	1	1
SMR	1.26	0.64	0.00	0.62	0.00	1.08	1.51	4.02
MULTIPLE MYELOMA								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS								
STUDY OBS	1	0	1	1	0	0	0	0
SMR	9.55	0.00	4.77	5.25	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	1	0	0	0	0
SMR	0.00	0.00	0.00	1.76	0.00	0.00	0.00	0.00
STOMACH								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Age at death: under 10

Haddam Neck (1967)  
Middlesex, CT

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)									
STUDY	OBS	1	0	1	1	0	0	0	0
	SMR	19.46	0.00	7.84	8.13	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	1	0	0	0	0
	SMR	0.00	0.00	0.00	2.70	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	1
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.22
BREAST (FEMALE)									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS									
STUDY	OBS	0	0	0	1	1	0	0	0
	SMR	0.00	0.00	0.00	6.90	7.39	0.00	0.00	0.00
CNTRL	OBS	1	0	1	0	0	0	0	0
	SMR	4.49	0.00	2.39	0.00	0.00	0.00	0.00	0.00
BLADDER									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.									
STUDY	OBS	0	3	2	1	2	0	0	0
	SMR	0.00	2.10	1.16	0.61	1.46	0.00	0.00	0.00
CNTRL	OBS	3	2	3	7	4	2	2	0
	SMR	1.35	0.45	0.58	1.43	0.98	0.69	0.84	0.00
BENIGN & UNSPEC NEOPLASMS									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	1	0	0	0
	SMR	0.00	0.00	0.00	0.00	1.02	0.00	0.00	0.00

Table 2-B.10(MORT)

Age at death: 10 to 19

Haddam Neck (1967)  
Middlesex, CT

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>LIVER (PRIMARY)</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BREAST (FEMALE)</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>THYROID</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BONES &amp; JOINTS</b>								
STUDY OBS	0	0	0	1	1	0	0	1
SMR	0.00	0.00	0.00	1.43	1.26	0.00	0.00	4.80
CNTRL OBS	1	1	3	2	1	0	0	1
SMR	1.32	0.67	1.70	0.94	0.41	0.00	0.00	1.65
<b>BLADDER</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	0	0	0	0	1	0	0	0
SMR	0.00	0.00	0.00	0.00	0.96	0.00	0.00	0.00
CNTRL OBS	0	1	1	1	6	3	3	0
SMR	0.00	0.50	0.40	0.35	1.91	0.99	1.19	0.00
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	3	2	1	0
SMR	0.00	0.00	0.00	0.00	3.98	1.98	2.70	0.00

Age at death: 20 to 39

Haddam Neck (1967)  
Middlesex, CT

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	0	1	0	4	1	0	5	3
SMR	0.00	0.40	0.00	1.44	0.33	0.00	1.31	1.84
CNTRL OBS	5	10	2	6	8	7	12	5
SMR	1.16	1.36	0.27	0.74	0.89	0.71	1.11	1.10
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	10	22	16	23	24	20	29	14
SMR	0.77	0.97	0.68	0.94	0.95	0.74	0.98	1.10
CNTRL OBS	36	59	63	67	67	92	78	26
SMR	0.93	0.90	0.95	0.96	0.93	1.23	0.96	0.75
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	1	4	1	3	4	1	2	1
SMR	0.90	2.02	0.46	1.22	1.60	0.45	1.09	1.38
CNTRL OBS	10	7	7	12	11	9	5	2
SMR	2.95	1.20	1.12	1.67	1.49	1.44	0.95	0.99
<b>OTHER LYMPHOMA</b>								
STUDY OBS	2	2	1	1	2	3	1	1
SMR	2.96	1.69	0.76	0.68	1.27	1.71	0.50	1.12
CNTRL OBS	3	4	4	6	3	3	4	1
SMR	1.47	1.16	1.07	1.43	0.66	0.61	0.71	0.41
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	1	0	0	1	0	0	1	0
SMR	6.43	0.00	0.00	3.49	0.00	0.00	2.90	0.00
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	1	5	4	5	1	5	5	1
SMR	0.40	1.21	1.01	1.31	0.27	1.26	1.18	0.55
CNTRL OBS	6	8	16	10	5	8	8	1
SMR	0.81	0.67	1.45	0.94	0.48	0.75	0.70	0.21
<b>STOMACH</b>								
STUDY OBS	0	2	1	2	0	0	0	0
SMR	0.00	2.18	1.21	2.79	0.00	0.00	0.00	0.00
CNTRL OBS	1	1	2	1	0	0	1	0
SMR	0.59	0.38	0.88	0.51	0.00	0.00	0.55	0.00

Age at death: 20 to 39

Haddam Neck (1967)  
Middlesex, CT

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY OBS	0	3	3	3	1	4	3	1
	SMR	0.00	1.44	1.53	1.59	0.54	2.04	1.45	1.15
	CNTRL OBS	4	5	8	6	1	3	4	0
LIVER (PRIMARY)	SMR	1.06	0.83	1.45	1.13	0.19	0.56	0.71	0.00
	STUDY OBS	1	0	0	0	0	0	1	0
	SMR	3.94	0.00	0.00	0.00	0.00	0.00	2.26	0.00
TRACHEA, BRONCHUS, LUNG	CNTRL OBS	0	1	3	2	1	3	1	0
	SMR	0.00	0.85	2.82	1.93	1.02	3.03	0.85	0.00
	STUDY OBS	0	1	0	2	2	1	5	0
BREAST (FEMALE)	SMR	0.00	0.70	0.00	0.94	0.83	0.38	1.78	0.00
	CNTRL OBS	1	4	1	7	6	10	7	2
	SMR	0.47	0.98	0.20	1.17	0.89	1.40	0.92	0.63
THYROID	STUDY OBS	3	3	1	5	3	4	0	3
	SMR	1.71	0.96	0.30	1.49	0.87	1.03	0.00	1.44
	CNTRL OBS	1	10	9	7	6	17	12	5
BONES & JOINTS	SMR	0.19	1.11	0.96	0.74	0.62	1.62	0.95	0.89
	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BLADDER	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	1	0	0	1	0	2	0
BRAIN & OTHER C.N.S.	SMR	0.00	2.34	0.00	0.00	2.11	0.00	3.45	0.00
	CNTRL OBS	1	0	1	2	2	4	1	0
	SMR	1.25	0.00	0.85	1.63	1.41	2.49	0.59	0.00
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	1	0	0	0	0	0	0
BENIGN & UNSPEC NEOPLASMS	SMR	0.00	3.36	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	1	1	1	1	4	1	3
	SMR	0.00	0.50	0.47	0.47	0.42	1.49	0.35	2.43
BENIGN & UNSPEC NEOPLASMS	CNTRL OBS	5	4	3	5	5	9	6	1
	SMR	1.46	0.68	0.49	0.81	0.72	1.19	0.74	0.29
	STUDY OBS	0	0	0	0	0	2	0	0
BENIGN & UNSPEC NEOPLASMS	SMR	0.00	0.00	0.00	0.00	0.00	2.17	0.00	0.00
	CNTRL OBS	0	0	0	0	3	4	1	0
	SMR	0.00	0.00	0.00	0.00	1.72	1.57	0.75	0.00



Table 2-B.10(HORT)

Age at death: 40 to 59		Haddam Neck (1967) Middlesex, CT							
		YEARS BEFORE STARTUP		YEARS AFTER STARTUP					
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	7	4	6	6	11	5	8	0
	SHR	2.15	0.67	0.91	0.83	1.44	0.65	1.06	0.00
CNTRL	OBS	12	14	18	13	25	14	18	8
	SHR	1.24	0.81	0.97	0.64	1.19	0.68	0.88	0.99
ALL CANCER, EXCL LEUK									
STUDY	OBS	76	138	188	194	206	224	243	101
	SHR	0.89	0.88	1.07	0.95	0.87	0.90	1.00	1.04
CNTRL	OBS	242	438	460	557	601	616	650	237
	SHR	0.96	0.97	0.93	0.98	0.93	0.93	0.99	0.93
HODGKIN'S DISEASE									
STUDY	OBS	0	0	5	3	2	3	0	1
	SHR	0.00	0.00	1.87	1.01	0.69	1.39	0.00	1.87
CNTRL	OBS	4	7	6	6	14	5	5	3
	SHR	1.08	1.01	0.79	0.72	1.75	0.87	1.24	2.06
OTHER LYMPHOMA									
STUDY	OBS	3	4	6	5	12	8	11	2
	SHR	1.33	0.90	1.09	0.73	1.55	1.02	1.42	0.63
CNTRL	OBS	5	15	17	26	19	13	17	6
	SHR	0.74	1.16	1.08	1.36	0.89	0.62	0.81	0.71
MULTIPLE MYELOMA									
STUDY	OBS	3	1	5	1	1	1	4	1
	SHR	3.87	0.62	2.49	0.45	0.39	0.34	1.33	0.84
CNTRL	OBS	1	5	4	7	4	8	5	2
	SHR	0.43	1.08	0.71	1.14	0.57	1.03	0.63	0.65
DIGESTIVE ORGANS									
STUDY	OBS	24	37	45	54	57	47	45	21
	SHR	0.89	0.79	0.93	1.04	1.03	0.85	0.87	1.05
CNTRL	OBS	72	139	136	130	146	154	144	44
	SHR	0.90	1.03	1.00	0.90	0.97	1.06	1.05	0.83
STOMACH									
STUDY	OBS	8	8	10	9	7	8	7	8
	SHR	1.23	0.78	1.08	1.05	0.86	1.08	1.06	3.15
CNTRL	OBS	17	33	29	22	27	22	21	5
	SHR	0.88	1.11	1.12	0.93	1.21	1.12	1.20	0.75

Age at death: 40 to 59

Haddam Neck (1967)  
Middlesex, CT

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM									
STUDY	OBS	9	18	20	27	20	21	14	7
	SMR	0.79	0.90	0.95	1.17	0.80	0.83	0.60	0.78
CNTRL	OBS	35	65	66	66	75	75	73	21
	SMR	1.04	1.12	1.10	1.02	1.09	1.12	1.16	0.88
LIVER (PRIMARY)									
STUDY	OBS	4	2	6	2	6	1	4	0
	SMR	1.19	0.36	1.13	0.40	1.60	0.34	1.41	0.00
CNTRL	OBS	6	14	13	7	4	1	7	4
	SMR	0.60	0.88	0.87	0.51	0.39	0.13	0.94	1.33
TRACHEA, BRONCHUS, LUNG									
STUDY	OBS	9	23	30	41	46	77	84	30
	SMR	0.79	0.96	0.93	0.93	0.78	1.09	1.12	0.98
CNTRL	OBS	26	69	87	95	151	155	192	70
	SMR	0.75	0.99	0.95	0.77	0.93	0.83	0.95	0.86
BREAST (FEMALE)									
STUDY	OBS	9	28	27	26	37	30	30	11
	SMR	0.77	1.28	1.08	0.87	1.09	0.85	0.89	0.83
CNTRL	OBS	37	64	60	113	98	80	91	38
	SMR	1.09	1.02	0.85	1.36	1.05	0.86	1.02	1.11
THYROID									
STUDY	OBS	0	1	1	1	0	0	1	1
	SMR	0.00	1.56	1.62	1.65	0.00	0.00	1.99	5.35
CNTRL	OBS	1	3	0	2	1	2	1	0
	SMR	0.90	1.62	0.00	1.19	0.61	1.31	0.74	0.00
BONES & JOINTS									
STUDY	OBS	0	1	1	1	1	1	1	1
	SMR	0.00	0.85	0.94	0.99	0.99	1.10	1.58	4.94
CNTRL	OBS	6	3	2	2	1	3	0	1
	SMR	2.86	0.88	0.67	0.71	0.36	1.24	0.00	1.84
BLADDER									
STUDY	OBS	3	4	1	3	2	4	1	0
	SMR	1.81	1.44	0.37	1.06	0.67	1.36	0.39	0.00
CNTRL	OBS	9	5	15	10	6	8	12	4
	SMR	1.81	0.62	1.97	1.27	0.73	1.02	1.72	1.56
BRAIN & OTHER C.N.S.									
STUDY	OBS	2	3	9	6	3	10	9	4
	SMR	0.65	0.51	1.29	0.78	0.33	1.05	1.02	1.15
CNTRL	OBS	6	20	15	22	15	31	31	4
	SMR	0.65	1.16	0.76	1.02	0.59	1.21	1.29	0.43
BENIGN & UNSPEC NEOPLASMS									
STUDY	OBS	0	0	0	0	1	4	0	0
	SMR	0.00	0.00	0.00	0.00	0.44	1.27	0.00	0.00
CNTRL	OBS	0	0	0	0	5	4	5	2
	SMR	0.00	0.00	0.00	0.00	0.81	0.48	1.28	2.74

Table 2-B.10(MORT)

Age at death: 60 plus	Haddam Neck (1967) Middlesex, CT									
	YEARS BEFORE STARTUP		YEARS AFTER STARTUP				1978-82		1983-84	
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84		
LEUKEMIA & ALEUKEMIA										
STUDY OBS	10	6	19	17	28	33	32	13		
SMR	1.27	0.38	0.96	0.73	1.08	1.14	0.94	0.86		
CNTRL OBS	24	33	58	52	58	74	80	36		
SMR	1.12	0.77	1.10	0.83	0.83	0.96	0.90	0.93		
ALL CANCER, EXCL LEUK										
STUDY OBS	213	401	447	560	630	751	939	406		
SMR	0.87	0.89	0.89	0.99	0.99	1.01	1.05	1.01		
CNTRL OBS	737	1466	1530	1622	1761	2097	2369	1165		
SMR	1.12	1.22	1.14	1.07	1.02	1.05	1.02	1.14		
HODGKIN'S DISEASE										
STUDY OBS	1	4	5	1	1	2	1	1		
SMR	0.66	1.40	1.56	0.28	0.27	0.62	0.35	0.88		
CNTRL OBS	6	10	5	10	15	7	17	0		
SMR	1.42	1.27	0.57	1.04	1.50	0.80	2.30	0.00		
OTHER LYMPHOMA										
STUDY OBS	2	11	9	9	19	21	27	9		
SMR	0.49	1.26	0.78	0.61	1.05	0.95	0.94	0.68		
CNTRL OBS	18	37	38	56	53	50	73	45		
SMR	1.59	1.55	1.21	1.39	1.07	0.85	0.98	1.33		
MULTIPLE MYELOMA										
STUDY OBS	1	3	5	6	13	20	11	3		
SMR	0.63	0.79	0.92	0.84	1.40	1.66	0.72	0.43		
CNTRL OBS	7	11	10	10	26	38	44	12		
SMR	1.59	1.06	0.68	0.52	1.03	1.18	1.11	0.68		
DIGESTIVE ORGANS										
STUDY OBS	103	175	191	226	222	259	295	138		
SMR	0.93	0.89	0.93	1.05	1.00	1.08	1.10	1.19		
CNTRL OBS	342	643	682	661	665	724	733	380		
SMR	1.15	1.23	1.24	1.15	1.11	1.13	1.05	1.29		
STOMACH										
STUDY OBS	36	44	49	44	41	42	35	15		
SMR	1.14	0.86	1.06	1.07	1.14	1.25	1.05	1.08		
CNTRL OBS	99	167	167	122	116	114	96	47		
SMR	1.17	1.22	1.36	1.12	1.20	1.28	1.11	1.33		

Age at death: 60 plus

Haddam Neck (1967)  
Middlesex, CT

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67		1968-72	1973-77	1978-82	1983-84
COLON & RECTUM									
STUDY OBS	38	75	91	114		107	140	131	71
SMR	0.84	0.90	1.00	1.14		0.99	1.16	0.97	1.21
CNTRL OBS	131	282	313	310		330	359	379	188
SMR	1.08	1.28	1.29	1.16		1.13	1.11	1.08	1.26
LIVER (PRIMARY)									
STUDY OBS	9	20	22	18		9	7	17	5
SMR	0.66	0.85	0.92	0.84		0.62	0.62	1.34	0.88
CNTRL OBS	42	67	62	64		27	27	44	17
SMR	1.15	1.07	0.97	1.12		0.69	0.91	1.34	1.19
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	20	46	60	82		125	166	228	118
SMR	0.94	0.99	0.91	0.90		1.00	0.98	1.00	1.13
CNTRL OBS	55	133	183	248		303	418	528	256
SMR	0.92	1.03	1.01	0.99		0.89	0.92	0.89	0.96
BREAST (FEMALE)									
STUDY OBS	14	29	27	43		48	79	82	28
SMR	0.75	0.84	0.70	0.99		0.97	1.36	1.17	0.90
CNTRL OBS	52	136	109	114		130	189	207	111
SMR	1.05	1.47	1.06	0.98		0.97	1.22	1.14	1.40
THYROID									
STUDY OBS	4	5	2	3		4	3	0	2
SMR	3.49	2.36	0.90	1.36		1.77	1.28	0.00	2.01
CNTRL OBS	1	4	12	5		8	4	5	3
SMR	0.32	0.71	2.01	0.84		1.32	0.64	0.81	1.19
BONES & JOINTS									
STUDY OBS	2	3	3	0		5	2	2	0
SMR	1.01	0.93	1.05	0.00		1.80	0.75	1.00	0.00
CNTRL OBS	3	11	4	7		6	4	2	0
SMR	0.56	1.28	0.52	0.96		0.80	0.56	0.38	0.00
BLADDER									
STUDY OBS	4	22	19	24		21	19	26	8
SMR	0.41	1.23	0.98	1.14		0.92	0.76	0.96	0.69
CNTRL OBS	34	60	61	46		60	76	53	32
SMR	1.30	1.27	1.18	0.82		0.98	1.14	0.75	1.09
BRAIN & OTHER C.N.S.									
STUDY OBS	3	2	2	5		11	14	18	4
SMR	1.69	0.55	0.41	0.79		1.13	1.00	1.02	0.51
CNTRL OBS	3	15	12	17		15	47	47	15
SMR	0.59	1.46	0.88	0.96		0.56	1.25	1.02	0.75
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0	0		7	12	3	0
SMR	0.00	0.00	0.00	0.00		1.47	1.48	0.57	0.00
CNTRL OBS	0	0	0	0		8	38	16	3
SMR	0.00	0.00	0.00	0.00		0.62	1.76	1.16	0.88

Table 2-B.10(MORT)

Age at death: all

Haddam Neck (1967)  
Middlesex, CT

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP				
	1950-52	1953-57	1958-62	1963-67		1968-72	1973-77	1978-82	1983-84	
LEUKEMIA & ALEUKEMIA										
STUDY OBS	22	17	27	35		47	43	52	16	
SHR	1.48	0.58	0.78	0.89		1.11	0.96	1.07	0.76	
CNTRL OBS	48	81	95	84		104	104	120	50	
SHR	1.12	0.98	0.99	0.77		0.89	0.86	0.92	0.91	
ALL CANCER, EXCL LEUK										
STUDY OBS	303	567	659	784		871	995	1215	525	
SHR	0.88	0.89	0.93	0.98		0.96	0.97	1.03	1.03	
CNTRL OBS	1024	1980	2064	2265		2453	2816	3111	1432	
SHR	1.07	1.14	1.07	1.04		1.00	1.03	1.01	1.09	
HODGKIN'S DISEASE										
STUDY OBS	3	9	11	7		7	6	3	3	
SHR	0.74	1.19	1.30	0.74		0.74	0.76	0.47	1.21	
CNTRL OBS	20	24	19	31		43	22	30	5	
SHR	1.69	1.11	0.80	1.17		1.61	1.02	1.73	0.76	
OTHER LYMPHOMA										
STUDY OBS	8	17	18	15		34	32	40	12	
SHR	1.07	1.12	0.93	0.62		1.19	0.98	1.02	0.68	
CNTRL OBS	27	59	59	89		78	67	95	53	
SHR	1.26	1.37	1.09	1.33		0.99	0.77	0.92	1.16	
MULTIPLE MYELOMA										
STUDY OBS	4	4	10	7		14	21	15	4	
SHR	1.66	0.73	1.33	0.74		1.17	1.39	0.81	0.49	
CNTRL OBS	9	16	14	18		30	46	50	14	
SHR	1.31	1.04	0.68	0.70		0.92	1.14	1.04	0.67	
DIGESTIVE ORGANS										
STUDY OBS	129	217	241	286		280	311	345	160	
SHR	0.92	0.88	0.93	1.05		0.99	1.04	1.07	1.16	
CNTRL OBS	420	790	834	802		816	886	885	425	
SHR	1.09	1.18	1.20	1.09		1.07	1.11	1.05	1.20	
STOMACH										
STUDY OBS	44	54	60	55		48	50	42	23	
SHR	1.14	0.86	1.06	1.09		1.07	1.20	1.03	1.37	
CNTRL OBS	117	201	198	145		143	136	118	52	
SHR	1.11	1.19	1.31	1.07		1.18	1.23	1.11	1.22	

Age at death: all

Haddam Neck (1967)  
Middlesex, CT

Table 2-B.10(MORT)

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP				
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84		
COLON & RECTUM										
STUDY OBS	47	96	114	144	128	165	148	79		
SMR	0.81	0.91	1.00	1.15	0.94	1.11	0.92	1.16		
CNTRL OBS	170	352	387	382	406	437	456	209		
SMR	1.07	1.23	1.25	1.13	1.11	1.11	1.08	1.19		
LIVER (PRIMARY)										
STUDY OBS	15	22	29	21	15	8	22	5		
SMR	0.87	0.75	0.98	0.78	0.80	0.55	1.36	0.71		
CNTRL OBS	48	82	78	74	32	31	52	21		
SMR	1.01	1.02	0.97	1.02	0.63	0.80	1.24	1.16		
TRACHEA, BRONCHUS, LUNG										
STUDY OBS	29	70	90	125	173	244	317	148		
SMR	0.87	0.97	0.90	0.91	0.93	1.01	1.04	1.08		
CNTRL OBS	82	206	271	350	460	583	727	329		
SMR	0.85	1.01	0.98	0.92	0.90	0.90	0.91	0.94		
BREAST (FEMALE)										
STUDY OBS	26	60	55	74	88	113	112	42		
SMR	0.81	1.01	0.82	0.97	1.01	1.16	1.04	0.90		
CNTRL OBS	90	210	178	234	234	286	310	154		
SMR	1.01	1.28	0.97	1.12	0.99	1.10	1.09	1.29		
THYROID										
STUDY OBS	4	6	3	4	4	3	1	3		
SMR	2.55	2.11	1.02	1.37	1.36	1.00	0.34	2.47		
CNTRL OBS	2	7	12	7	9	6	6	3		
SMR	0.46	0.90	1.50	0.88	1.13	0.75	0.77	0.96		
BONES & JOINTS										
STUDY OBS	2	5	4	3	9	3	5	2		
SMR	0.62	0.92	0.80	0.60	1.73	0.60	1.29	1.50		
CNTRL OBS	12	15	11	13	10	11	3	2		
SMR	1.30	0.99	0.79	0.93	0.69	0.81	0.28	0.56		
BLADDER										
STUDY OBS	7	26	20	27	23	23	27	8		
SMR	0.61	1.25	0.90	1.13	0.89	0.82	0.91	0.64		
CNTRL OBS	43	66	76	56	66	84	65	36		
SMR	1.37	1.18	1.28	0.87	0.95	1.12	0.84	1.12		
BRAIN & OTHER C.N.S.										
STUDY OBS	5	9	14	13	18	28	28	11		
SMR	0.72	0.66	0.85	0.69	0.76	0.99	0.90	0.83		
CNTRL OBS	17	42	34	52	45	92	89	20		
SMR	0.81	1.05	0.72	0.98	0.68	1.20	1.07	0.58		
BENIGN & UNSPEC NEOPLASMS										
STUDY OBS	0	0	0	0	8	18	3	0		
SMR	0.00	0.00	0.00	0.00	0.97	1.39	0.40	0.00		
CNTRL OBS	0	0	0	0	20	48	23	5		
SMR	0.00	0.00	0.00	0.00	0.89	1.38	1.15	1.10		



**Haddam Neck (1967)**  
**Middlesex, CT**

[illegible]

Age at diagnosis: under 10

Haddam Neck (1967)  
Middlesex, CT

	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM								
STUDY OBS	0	0	0	0	0	0	0	0
SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)								
STUDY OBS	1	0	0	2	0	0	0	0
SRR	17.52	0.00	0.00	10.45	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	2	0	0	1	1
SRR	0.00	0.00	0.00	3.42	0.00	0.00	1.34	2.19
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	0	0	0	0	0	0	0	0
SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	1	0	0	0	0
SRR	0.00	0.00	0.00	7.23	0.00	0.00	0.00	0.00
BREAST (FEEMALE)								
STUDY OBS	0	0	0	0	0	0	0	0
SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID								
STUDY OBS	0	0	0	0	0	0	0	0
SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	1	1	0
SRR	0.00	0.00	0.00	0.00	0.00	2.16	2.32	0.00
BONES & JOINTS								
STUDY OBS	0	0	0	2	0	0	0	0
SRR	0.00	0.00	0.00	6.43	0.00	0.00	0.00	0.00
CNTRL OBS	1	1	1	0	2	0	2	0
SRR	2.31	1.05	0.89	0.00	2.06	0.00	3.13	0.00
BLADDER								
STUDY OBS	0	0	0	0	0	0	0	0
SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	1
SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.92
BRAIN & OTHER C.N.S.								
STUDY OBS	1	2	2	1	4	0	2	2
SRR	0.87	0.96	0.83	0.37	1.56	0.00	0.98	2.57
CNTRL OBS	0	5	4	8	5	8	4	3
SRR	0.00	0.78	0.56	1.00	0.66	1.17	0.63	1.20



Age at diagnosis: 10 to 19

Haddam Neck (1967)  
Middletown, CT

	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	0	0	0	0	2	0	0	0
SRR	0.00	0.00	0.00	0.00	10.33	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	1	0
SRR	0.00	0.00	0.00	0.00	0.00	0.00	1.94	0.00
<b>LIVER (PRIMARY)</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	1	0	0	0
SRR	0.00	0.00	0.00	0.00	3.46	0.00	0.00	0.00
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	1	0	0	0	0	0
SRR	0.00	0.00	6.06	0.00	0.00	0.00	0.00	0.00
<b>BREAST (FEMALE)</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	1	0	0	0	0	0	0	0
SRR	14.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>THYROID</b>								
STUDY OBS	0	0	0	1	1	0	1	1
SRR	0.00	0.00	0.00	2.28	1.93	0.00	1.34	4.03
CNTRL OBS	0	0	1	1	1	1	0	1
SRR	0.00	0.00	0.74	0.71	0.59	0.40	0.00	1.32
<b>BONES &amp; JOINTS</b>								
STUDY OBS	0	0	2	2	2	0	1	1
SRR	0.00	0.00	2.20	1.68	1.64	0.00	0.64	1.52
CNTRL OBS	2	1	4	4	3	3	2	1
SRR	2.04	0.49	1.42	1.10	0.81	0.82	0.44	0.53
<b>BLADDER</b>								
STUDY OBS	0	0	0	0	0	1	0	0
SRR	0.00	0.00	0.00	0.00	0.00	5.64	0.00	0.00
CNTRL OBS	0	1	0	0	0	0	0	0
SRR	0.00	14.65	0.00	0.00	0.00	0.00	0.00	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	0	0	0	1	4	1	1	0
SRR	0.00	0.00	0.00	0.60	2.20	0.50	0.44	0.00
CNTRL OBS	0	0	4	4	8	4	8	3
SRR	0.00	0.00	1.07	0.78	1.46	0.67	1.16	1.15

Table 2-B.10(INC)

Age at diagnosis: 20 to 39		Haddam Neck (1967) Middlesex, CT							
		YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	0	3	2	3	1	4	9	2
	SRR	0.00	1.11	0.74	0.95	0.24	0.80	1.61	0.83
CNTRL	OBS	5	11	3	10	7	18	17	8
	SRR	1.00	1.39	0.39	1.08	0.58	1.29	1.08	1.19
ALL CANCER, EXCL LEUK									
STUDY	OBS	19	57	64	66	88	90	145	67
	SRR	0.58	0.96	0.96	0.91	1.08	0.87	1.10	1.13
CNTRL	OBS	84	149	154	174	195	292	341	177
	SRR	0.85	0.86	0.81	0.84	0.83	1.01	0.92	1.07
HODGKIN'S DISEASE									
STUDY	OBS	1	5	5	5	9	5	8	6
	SRR	0.45	1.22	1.03	0.81	1.11	0.50	0.66	1.11
CNTRL	OBS	8	11	8	18	16	28	36	15
	SRR	1.17	0.90	0.56	0.98	0.66	0.96	1.01	0.95
OTHER LYMPHOMA									
STUDY	OBS	2	6	3	3	6	4	7	3
	SRR	1.21	2.18	1.06	0.92	1.66	0.97	1.26	1.13
CNTRL	OBS	9	4	12	11	7	9	8	7
	SRR	1.81	0.50	1.50	1.17	0.67	0.76	0.51	0.96
MULTIPLE MYELOMA									
STUDY	OBS	0	0	0	0	1	0	0	0
	SRR	0.00	0.00	0.00	0.00	3.34	0.00	0.00	0.00
CNTRL	OBS	0	0	2	1	0	1	3	1
	SRR	0.00	0.00	3.53	1.67	0.00	0.97	2.63	2.09
DIGESTIVE ORGANS									
STUDY	OBS	4	10	5	10	6	13	8	2
	SRR	0.90	1.35	0.68	1.41	0.88	1.80	0.92	0.50
CNTRL	OBS	14	16	19	21	13	18	22	6
	SRR	1.06	0.74	0.91	1.05	0.68	0.92	0.94	0.57
STOMACH									
STUDY	OBS	1	2	1	2	2	1	1	0
	SRR	1.17	1.54	0.83	1.73	1.87	1.00	0.99	0.00
CNTRL	OBS	1	1	1	2	1	1	2	0
	SRR	0.39	0.27	0.30	0.63	0.34	0.37	0.74	0.00

Age at diagnosis: 20 to 39

Haddam Neck (1967)  
Middlesex, CT

	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	2	7	4	8	1	10	6	1
SRR	0.65	1.44	0.85	1.85	0.25	2.15	1.10	0.42
CNTRL OBS	12	14	12	12	8	14	13	4
SRR	1.30	0.99	0.90	0.98	0.70	1.09	0.87	0.63
<b>LIVER (PRIMARY)</b>								
STUDY OBS	0	1	0	0	1	1	1	1
SRR	0.00	7.68	0.00	0.00	3.86	4.07	2.46	4.31
CNTRL OBS	0	0	1	1	1	0	0	0
SRR	0.00	0.00	1.35	1.44	1.39	0.00	0.00	0.00
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	1	2	2	3	3	3	8	3
SRR	1.43	1.39	0.85	1.19	0.83	0.61	1.52	1.36
CNTRL OBS	2	3	4	6	13	12	17	4
SRR	0.96	0.73	0.62	0.87	1.28	0.89	1.18	0.67
<b>BREAST (FEMALE)</b>								
STUDY OBS	5	11	20	12	14	16	33	8
SRR	0.70	0.86	1.40	0.81	0.92	0.86	1.29	0.67
CNTRL OBS	11	31	23	30	33	55	70	37
SRR	0.52	0.83	0.57	0.72	0.77	1.09	0.99	1.12
<b>THYROID</b>								
STUDY OBS	0	1	1	5	3	9	5	6
SRR	0.00	0.47	0.33	1.15	0.55	1.16	0.53	1.52
CNTRL OBS	3	6	7	9	11	17	19	11
SRR	0.92	0.95	0.79	0.70	0.68	0.77	0.71	0.98
<b>BONES &amp; JOINTS</b>								
STUDY OBS	0	0	0	1	0	0	3	1
SRR	0.00	0.00	0.00	1.16	0.00	0.00	2.28	1.91
CNTRL OBS	0	1	2	4	4	2	5	3
SRR	0.00	0.59	1.10	1.54	1.43	0.59	1.27	1.94
<b>BLADDER</b>								
STUDY OBS	0	0	0	2	1	3	4	1
SRR	0.00	0.00	0.00	1.22	0.48	1.29	1.43	0.77
CNTRL OBS	0	1	7	2	7	7	6	4
SRR	0.00	0.45	2.16	0.42	1.16	1.07	0.75	1.09
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	1	0	4	1	2	6	4	2
SRR	0.67	0.00	1.38	0.32	0.56	1.17	0.65	0.78
CNTRL OBS	5	6	9	6	14	17	15	7
SRR	1.12	0.76	1.09	0.65	1.31	1.16	0.85	0.97





Age at diagnosis: 40 to 59

Haddam Neck (1967)  
Middlesex, CT

	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	27	37	59	70	57	66	61	30
SRR	0.97	0.74	1.07	1.12	0.81	0.90	0.88	1.11
CNTRL OBS	77	128	135	158	184	205	183	70
SRR	0.93	0.88	0.86	0.90	0.94	1.05	0.98	0.98
<b>LIVER (PRIMARY)</b>								
STUDY OBS	1	2	2	3	4	4	5	0
SRR	1.66	1.53	1.40	2.04	1.81	1.41	1.56	0.00
CNTRL OBS	1	3	5	2	2	5	10	3
SRR	0.57	0.80	1.26	0.50	0.33	0.67	1.16	0.83
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	11	34	38	56	66	107	106	57
SRR	0.78	1.13	0.96	1.07	0.94	1.24	1.11	1.45
CNTRL OBS	28	65	114	102	207	209	252	97
SRR	0.66	0.74	1.02	0.70	1.07	0.91	0.98	0.93
<b>BREAST (FEMALE)</b>								
STUDY OBS	29	51	65	86	97	137	121	51
SRR	0.86	0.80	0.85	0.88	0.80	1.04	0.94	0.98
CNTRL OBS	91	145	194	244	292	328	299	140
SRR	0.92	0.79	0.89	0.90	0.87	0.94	0.86	1.02
<b>THYROID</b>								
STUDY OBS	0	3	6	1	4	10	7	5
SRR	0.00	1.00	1.77	0.22	0.71	1.44	0.88	1.49
CNTRL OBS	4	8	3	11	11	13	12	7
SRR	0.89	0.93	0.31	0.87	0.72	0.70	0.55	0.78
<b>BONES &amp; JOINTS</b>								
STUDY OBS	0	1	3	1	2	2	2	0
SRR	0.00	1.25	3.94	1.24	2.44	2.70	3.02	0.00
CNTRL OBS	2	2	0	2	0	3	0	2
SRR	1.55	0.86	0.00	0.88	0.00	1.50	0.00	2.87
<b>BLADDER</b>								
STUDY OBS	6	5	11	20	13	26	18	8
SRR	1.30	0.61	1.04	1.27	0.60	0.98	0.66	0.74
CNTRL OBS	17	17	24	53	52	73	79	27
SRR	1.22	0.71	0.80	1.20	0.86	1.03	1.05	0.91
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	5	6	10	9	7	14	13	3
SRR	1.45	0.85	1.13	0.85	0.63	1.17	1.07	0.63
CNTRL OBS	8	25	24	22	27	37	36	6
SRR	0.78	1.22	0.96	0.74	0.88	1.15	1.09	0.47

Table 2-B.10(INC)

Age at diagnosis: 60 plus	Haddam Neck (1967) Middlesex, CT									
	YEARS BEFORE STARTUP			YEARS AFTER STARTUP						
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84		
LEUKEMIA & ALEUKEMIA										
STUDY OBS	12	18	26	27	33	56	47	19		
SRR	1.08	0.79	0.91	0.85	0.89	1.25	0.94	0.89		
CNTRL OBS	31	47	75	77	101	119	109	56		
SRR	1.03	0.76	0.97	0.89	1.01	1.00	0.84	1.03		
ALL CANCER, EXCL LEUK										
STUDY OBS	321	658	760	938	1193	1343	1840	824		
SRR	0.79	0.83	0.83	0.90	0.99	0.92	1.01	1.01		
CNTRL OBS	1018	1997	2294	2450	3008	3553	4363	2140		
SRR	0.92	0.94	0.93	0.87	0.92	0.91	0.92	1.03		
HODGKIN'S DISEASE										
STUDY OBS	2	3	3	1	2	3	1	3		
SRR	0.90	0.83	0.77	0.20	0.34	0.53	0.19	1.34		
CNTRL OBS	8	11	12	15	18	14	20	6		
SRR	1.30	1.12	1.15	1.11	1.12	0.93	1.43	1.05		
OTHER LYMPHOMA										
STUDY OBS	4	17	11	22	30	45	39	22		
SRR	0.52	1.10	0.59	0.96	1.09	1.24	0.75	0.89		
CNTRL OBS	28	43	51	66	72	79	127	56		
SRR	1.34	1.02	1.01	1.06	0.96	0.81	0.94	0.89		
MULTIPLE MYELOMA										
STUDY OBS	4	3	8	10	17	20	19	6		
SRR	1.46	0.47	0.89	0.89	1.12	0.99	0.87	0.67		
CNTRL OBS	8	12	17	16	42	48	54	22		
SRR	1.04	0.68	0.71	0.53	1.03	0.90	0.95	0.97		
DIGESTIVE ORGANS										
STUDY OBS	116	245	267	361	391	407	523	230		
SRR	0.71	0.80	0.78	0.99	0.98	0.88	0.96	0.95		
CNTRL OBS	425	779	872	866	1002	1129	1281	661		
SRR	0.96	0.94	0.95	0.88	0.93	0.92	0.90	1.08		
STOMACH										
STUDY OBS	36	54	62	55	59	46	54	20		
SRR	0.93	0.81	0.94	0.92	1.07	0.85	0.94	0.81		
CNTRL OBS	106	184	194	140	124	145	124	71		
SRR	1.01	1.04	1.10	0.87	0.84	1.01	0.84	1.12		

Age at diagnosis: 60 plus

Haddam Neck (1967)  
Middlesex, CT

	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	57	136	150	230	254	275	344	145
SRR	0.65	0.79	0.76	1.04	1.00	0.90	0.94	0.89
CNTRL OBS	207	418	474	521	650	736	896	424
SRR	0.87	0.91	0.89	0.87	0.95	0.90	0.93	1.02
<b>LIVER (PRIMARY)</b>								
STUDY OBS	2	3	5	7	8	9	14	5
SRR	0.75	0.54	0.74	0.99	1.09	0.99	1.16	0.90
CNTRL OBS	10	11	19	16	18	21	34	17
SRR	1.40	0.74	1.04	0.84	0.91	0.87	1.09	1.20
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	22	54	73	87	153	185	300	137
SRR	0.79	0.85	0.83	0.74	1.00	0.89	1.07	1.07
CNTRL OBS	58	140	221	263	375	486	676	320
SRR	0.75	0.80	0.92	0.82	0.90	0.87	0.93	0.99
<b>BREAST (FEMALE)</b>								
STUDY OBS	45	69	72	98	150	165	203	102
SRR	1.05	0.86	0.78	0.88	1.10	0.96	0.94	1.04
CNTRL OBS	116	214	254	280	359	437	521	271
SRR	1.01	1.00	1.03	0.93	0.97	0.95	0.92	1.09
<b>THYROID</b>								
STUDY OBS	4	5	3	6	6	4	10	4
SRR	1.92	1.43	0.76	1.36	1.14	0.68	1.52	1.39
CNTRL OBS	3	7	17	11	13	10	16	5
SRR	0.53	0.74	1.60	0.93	0.91	0.64	0.94	0.68
<b>BONES &amp; JOINTS</b>								
STUDY OBS	2	2	1	2	3	1	6	2
SRR	2.04	1.18	0.74	1.59	2.55	0.61	2.63	1.98
CNTRL OBS	1	7	1	1	3	3	7	1
SRR	0.39	1.53	0.27	0.29	0.94	0.68	1.17	0.39
<b>BLADDER</b>								
STUDY OBS	14	42	39	54	69	81	129	57
SRR	0.73	1.10	0.85	0.95	0.98	0.93	1.16	1.12
CNTRL OBS	33	84	98	129	162	205	268	141
SRR	0.64	0.82	0.79	0.84	0.85	0.88	0.92	1.08
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	6	6	2	5	15	11	28	4
SRR	2.54	1.17	0.30	0.59	1.33	0.75	1.42	0.44
CNTRL OBS	1	14	18	16	21	42	51	18
SRR	0.15	0.97	0.98	0.68	0.68	1.07	0.99	0.77

Table 2-B.10(INC)

Age at diagnosis: all	Haddam Neck (1967) Middlesex, CT									
	YEARS BEFORE STARTUP			YEARS AFTER STARTUP			1978-82			1983-84
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84		
<b>LEUKEMIA &amp; ALEUKEMIA</b>										
STUDY OBS	23	33	39	54	56	79	75	27		
SRR	1.20	0.85	0.83	1.05	0.91	1.12	1.02	0.88		
CNTRL OBS	52	102	117	121	174	179	161	87		
SRR	0.94	0.93	0.90	0.85	1.02	0.93	0.82	1.08		
<b>ALL CANCER, EXCL LEUK</b>										
STUDY OBS	497	986	1225	1474	1758	2087	2574	1147		
SRR	0.80	0.84	0.90	0.93	0.95	0.95	1.00	1.02		
CNTRL OBS	1552	2992	3392	3761	4604	5370	6257	2947		
SRR	0.90	0.92	0.91	0.87	0.91	0.92	0.92	1.02		
<b>HODGKIN'S DISEASE</b>										
STUDY OBS	6	10	17	9	14	18	11	13		
SRR	0.86	0.84	1.24	0.50	0.63	0.76	0.43	1.18		
CNTRL OBS	22	33	30	47	62	61	86	33		
SRR	1.06	0.95	0.76	0.90	0.97	0.91	1.17	1.06		
<b>OTHER LYMPHOMA</b>										
STUDY OBS	8	32	22	42	48	72	80	36		
SRR	0.58	1.17	0.66	1.03	0.99	1.22	1.01	0.98		
CNTRL OBS	48	81	100	115	116	140	189	88		
SRR	1.22	1.05	1.09	1.03	0.87	0.88	0.89	0.92		
<b>MULTIPLE MYELOMA</b>										
STUDY OBS	7	5	12	13	22	26	23	7		
SRR	1.77	0.56	1.02	0.90	1.10	1.00	0.84	0.63		
CNTRL OBS	10	19	21	29	51	65	64	29		
SRR	0.89	0.76	0.66	0.74	0.95	0.94	0.90	1.03		
<b>DIGESTIVE ORGANS</b>										
STUDY OBS	168	315	357	483	501	529	629	274		
SRR	0.78	0.79	0.81	1.02	0.97	0.91	0.95	0.95		
CNTRL OBS	558	1010	1098	1127	1293	1457	1587	775		
SRR	0.94	0.93	0.92	0.88	0.92	0.94	0.91	1.05		
<b>STOMACH</b>										
STUDY OBS	46	65	76	69	73	55	66	24		
SRR	0.95	0.79	0.93	0.91	1.04	0.80	0.94	0.81		
CNTRL OBS	128	222	231	179	162	173	155	80		
SRR	0.95	0.99	1.05	0.87	0.85	0.95	0.84	1.05		

Age at diagnosis: all

Haddam Neck (1967)  
Middlesex, CT

	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	86	180	213	308	314	351	411	176
SRR	0.72	0.79	0.83	1.07	0.96	0.92	0.93	0.91
CNTRL OBS	296	560	621	691	842	955	1093	498
SRR	0.90	0.90	0.89	0.88	0.94	0.93	0.94	1.01
<b>LIVER (PRIMARY)</b>								
STUDY OBS	4	6	7	12	13	14	20	6
SRR	1.18	0.84	0.81	1.33	1.29	1.13	1.25	0.82
CNTRL OBS	11	14	25	21	22	26	45	21
SRR	1.19	0.72	1.07	0.86	0.81	0.79	1.07	1.11
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	34	90	113	146	222	295	414	197
SRR	0.80	0.95	0.87	0.85	0.98	0.98	1.09	1.16
CNTRL OBS	88	208	340	372	595	707	945	421
SRR	0.72	0.78	0.95	0.79	0.96	0.88	0.95	0.97
<b>BREAST (FEMALE)</b>								
STUDY OBS	79	131	157	196	261	318	357	161
SRR	0.94	0.84	0.86	0.88	0.96	0.99	0.96	0.99
CNTRL OBS	219	390	471	554	684	820	890	448
SRR	0.93	0.90	0.93	0.90	0.91	0.95	0.90	1.07
<b>THYROID</b>								
STUDY OBS	4	9	10	13	14	23	23	16
SRR	0.84	1.03	0.92	0.94	0.83	1.07	0.93	1.53
CNTRL OBS	10	21	28	32	36	42	48	24
SRR	0.74	0.84	0.92	0.82	0.76	0.71	0.70	0.85
<b>BONES &amp; JOINTS</b>								
STUDY OBS	2	3	6	8	7	3	12	4
SRR	0.94	0.74	1.49	1.81	1.56	0.59	1.98	1.58
CNTRL OBS	6	12	8	11	12	11	16	7
SRR	0.97	1.03	0.69	0.86	0.93	0.77	0.94	1.01
<b>BLADDER</b>								
STUDY OBS	20	47	50	76	83	111	151	66
SRR	0.83	1.00	0.87	1.02	0.88	0.96	1.07	1.04
CNTRL OBS	50	103	129	184	221	285	353	173
SRR	0.75	0.80	0.82	0.91	0.86	0.92	0.94	1.06
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	13	14	18	17	32	32	48	11
SRR	1.50	0.79	0.82	0.64	1.06	0.89	1.13	0.61
CNTRL OBS	14	50	59	56	75	108	114	37
SRR	0.54	0.96	0.94	0.74	0.88	1.09	0.99	0.76



Table 2-B.11

Age at death: under 10

La Crosse (Genoa) (1967)  
Vernon, WI

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP				
		1950-52	1953-57	1958-62	1963-67		1968-72	1973-77	1978-82	1983-84	
LEUKEMIA & ALEUKEMIA											
STUDY	OBS	2	1	1	0		0	0	1	0	
	SMR	2.51	0.78	0.83	0.00		0.00	0.00	2.87	0.00	
CNTRL	OBS	3	1	3	3		2	1	1	1	
	SMR	1.79	0.36	1.14	1.34		1.17	0.86	1.23	3.42	
ALL CANCER, EXCL LEUK											
STUDY	OBS	2	3	0	1		1	1	3	0	
	SMR	2.41	2.26	0.00	1.03		1.37	1.77	5.87	0.00	
CNTRL	OBS	2	0	2	4		1	4	1	1	
	SMR	1.14	0.00	0.76	1.81		0.57	2.99	0.84	2.06	
HODGKIN'S DISEASE											
STUDY	OBS	0	1	0	0		0	0	0	0	
	SMR	0.00	40.52	0.00	0.00		0.00	0.00	0.00	0.00	
CNTRL	OBS	1	0	0	0		0	0	0	0	
	SMR	27.02	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
OTHER LYMPHOMA											
STUDY	OBS	0	0	0	0		0	1	0	0	
	SMR	0.00	0.00	0.00	0.00		0.00	15.60	0.00	0.00	
CNTRL	OBS	0	0	1	1		0	0	0	0	
	SMR	0.00	0.00	2.66	3.35		0.00	0.00	0.00	0.00	
MULTIPLE MYELOMA											
STUDY	OBS	0	0	0	0		0	0	0	0	
	SMR	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
CNTRL	OBS	0	0	0	0		0	0	0	0	
	SMR	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
DIGESTIVE ORGANS											
STUDY	OBS	0	0	0	0		0	0	0	0	
	SMR	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
CNTRL	OBS	0	0	0	0		0	0	0	0	
	SMR	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
STOMACH											
STUDY	OBS	0	0	0	0		0	0	0	0	
	SMR	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
CNTRL	OBS	0	0	0	0		0	0	0	0	
	SMR	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	

			YEARS BEFORE STARTUP				YEARS AFTER STARTUP					
			1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84		
COLON & RECTUM	STUDY	OBS	0	0	0	0	0	0	0	0	0	
		SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL	OBS	0	0	0	0	0	0	0	0	0	
LIVER (PRIMARY)	SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	STUDY	OBS	0	0	0	0	0	0	0	0	0	
		SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TRACHEA, BRONCHUS, LUNG	CNTRL	OBS	0	0	0	0	0	0	0	0	0	
		SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	STUDY	OBS	0	0	0	0	0	0	0	0	0	
BREAST (FEMALE)	SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL	OBS	0	0	0	0	0	0	0	0	0	
		SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
THYROID	STUDY	OBS	0	0	0	0	0	0	0	0	0	
		SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL	OBS	0	0	0	0	0	0	0	0	0	
BONES & JOINTS	SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	STUDY	OBS	0	0	0	0	0	0	0	0	0	
		SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BLADDER	CNTRL	OBS	0	0	0	0	0	0	0	0	0	
		SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	STUDY	OBS	0	0	0	0	0	0	0	0	0	
BRAIN & OTHER C.N.S.	SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL	OBS	0	0	0	0	0	0	0	0	0	
		SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BENIGN & UNSPEC NEOPLASMS	STUDY	OBS	2	0	0	1	1	0	1	0	0	
		SMR	6.21	0.00	0.00	2.52	3.64	0.00	5.52	0.00	0.00	
	CNTRL	OBS	0	0	1	1	0	2	0	0	0	
	SMR		0.00	0.00	0.89	1.10	0.00	4.15	0.00	0.00	0.00	
	STUDY	OBS	0	0	0	0	0	0	0	0	0	
		SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	



La Crosse (Genoa) (1967)  
Vernon, MI

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY OBS	0	1	0	0	0	0	0	0
	SMR	0.00	42.70	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
LIVER (PRIMARY)	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
TRACHEA, BRONCHUS, LUNG	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
BREAST (FEMALE)	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
THYROID	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
BONES & JOINTS	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	2	1	1	0	0	0	0
	SMR	0.00	4.96	2.49	2.46	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
BLADDER	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
BRAIN & OTHER C.N.S.	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	1	1	1	0
	SMR	0.00	0.00	0.00	0.00	4.09	4.56	5.97	0.00
CNTRL	OBS	0	1	1	0	1	1	0	0
	SMR	0.00	1.85	1.74	0.00	1.90	2.04	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
BENIGN & UNSPEC NEOPLASMS	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	0	0

Table 2-B.11

Age at death: 20 to 39

La Crosse (Genoa) (1967)  
Vernon, WI

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	0	2	1	1	3	0	1	0
SMR	0.00	2.79	1.68	1.89	6.10	0.00	1.65	0.00
CNTRL OBS	3	0	0	2	2	2	1	0
SMR	3.12	0.00	0.00	1.77	1.86	1.66	0.74	0.00
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	2	5	2	5	3	4	4	2
SMR	0.47	0.78	0.36	1.03	0.71	0.96	0.88	0.97
CNTRL OBS	7	12	15	10	12	10	11	5
SMR	0.82	0.93	1.34	0.99	1.32	1.09	1.09	1.14
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	0	1	0	0	1	1	0
SMR	0.00	0.00	2.00	0.00	0.00	2.89	3.36	0.00
CNTRL OBS	0	2	0	1	2	0	1	1
SMR	0.00	1.71	0.00	1.00	2.27	0.00	1.51	3.97
<b>OTHER LYMPHOMA</b>								
STUDY OBS	0	0	1	0	0	0	0	0
SMR	0.00	0.00	3.29	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	1	0	2	0	0	0	0	0
SMR	2.19	0.00	3.16	0.00	0.00	0.00	0.00	0.00
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	1	0	0	1	0	0
SMR	0.00	0.00	20.23	0.00	0.00	28.32	0.00	0.00
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	1	1	0	1	1	0	0	1
SMR	1.21	0.84	0.00	1.32	1.60	0.00	0.00	3.47
CNTRL OBS	0	4	3	3	2	1	1	0
SMR	0.00	1.68	1.59	1.92	1.50	0.77	0.71	0.00
<b>STOMACH</b>								
STUDY OBS	0	0	0	0	1	0	0	0
SMR	0.00	0.00	0.00	0.00	9.36	0.00	0.00	0.00
CNTRL OBS	0	2	1	1	0	0	1	0
SMR	0.00	3.81	2.56	3.45	0.00	0.00	4.52	0.00

Age at death: 20 to 39

La Crosse (Genoa) (1967)  
Vernon, WI

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	0	1	0	1	0	0	0	1
SMR	0.00	1.68	0.00	2.64	0.00	0.00	0.00	7.12
CNTRL OBS	0	2	2	2	1	1	0	0
SMR	0.00	1.67	2.12	2.57	1.51	1.53	0.00	0.00
<b>LIVER (PRIMARY)</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	0	0	0	1	0	0	0	1
SMR	0.00	0.00	0.00	2.29	0.00	0.00	0.00	5.17
CNTRL OBS	0	0	1	1	0	1	0	0
SMR	0.00	0.00	1.15	1.12	0.00	1.12	0.00	0.00
<b>BREAST (FEMALE)</b>								
STUDY OBS	0	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	0.00	1.72	0.00	0.00
CNTRL OBS	0	0	3	1	3	3	0	1
SMR	0.00	0.00	1.92	0.71	2.36	2.34	0.00	1.38
<b>THYROID</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BONES &amp; JOINTS</b>								
STUDY OBS	0	0	0	0	1	2	0	0
SMR	0.00	0.00	0.00	0.00	13.67	23.20	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BLADDER</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	1	2	0	0	0	0	0	0
SMR	2.60	3.44	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	2	0	2	0	1	3	4	2
SMR	2.59	0.00	1.93	0.00	1.17	3.23	3.91	4.56
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	0.00	3.25	0.00	0.00



Age at death: 40 to 59

La Crosse (Genoa) (1967)  
Vernon, WI

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP				
		1950-52	1953-57	1958-62	1963-67		1968-72	1973-77	1978-82	1983-84	
LEUKEMIA & ALEUKEMIA											
STUDY	OBS	0	1	3	3		1	3	0	0	
	SMR	0.00	0.49	1.54	1.62		0.58	1.86	0.00	0.00	
CNTRL	OBS	1	2	6	4		7	5	3	0	
	SMR	0.40	0.49	1.52	1.07		2.01	1.54	0.96	0.00	
ALL CANCER, EXCL LEUK											
STUDY	OBS	25	47	39	44		38	43	33	15	
	SMR	0.78	0.89	0.75	0.84		0.72	0.83	0.66	0.79	
CNTRL	OBS	53	84	88	101		88	95	104	33	
	SMR	0.82	0.79	0.84	0.96		0.83	0.91	1.03	0.83	
HODGKIN'S DISEASE											
STUDY	OBS	1	0	0	1		0	0	0	0	
	SMR	2.07	0.00	0.00	1.33		0.00	0.00	0.00	0.00	
CNTRL	OBS	0	0	0	1		1	0	1	0	
	SMR	0.00	0.00	0.00	0.66		0.76	0.00	1.63	0.00	
OTHER LYMPHOMA											
STUDY	OBS	2	1	2	2		1	2	1	2	
	SMR	2.29	0.65	1.22	1.14		0.57	1.21	0.62	3.19	
CNTRL	OBS	1	3	2	3		4	4	4	1	
	SMR	0.57	0.97	0.60	0.84		1.13	1.21	1.23	0.75	
MULTIPLE MYELOMA											
STUDY	OBS	1	0	1	0		0	0	0	0	
	SMR	3.36	0.00	1.67	0.00		0.00	0.00	0.00	0.00	
CNTRL	OBS	0	0	1	1		0	3	2	2	
	SMR	0.00	0.00	0.83	0.87		0.00	2.43	1.64	4.15	
DIGESTIVE ORGANS											
STUDY	OBS	7	23	13	17		9	13	6	5	
	SMR	0.68	1.44	0.90	1.27		0.72	1.13	0.57	1.28	
CNTRL	OBS	20	28	27	26		22	27	31	5	
	SMR	0.96	0.87	0.92	0.96		0.87	1.17	1.46	0.61	
STOMACH											
STUDY	OBS	3	5	4	3		1	1	1	1	
	SMR	1.20	1.41	1.45	1.36		0.55	0.65	0.76	2.05	
CNTRL	OBS	6	8	9	4		4	5	3	0	
	SMR	1.18	1.11	1.61	0.89		1.07	1.61	1.11	0.00	

Age at death: 40 to 59

La Crosse (Genoa) (1967)  
Vernon, WI

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM								
STUDY OBS	4	9	7	7	4	7	3	1
SMR	0.93	1.32	1.11	1.17	0.71	1.31	0.62	0.56
CNTRL OBS	10	16	9	12	8	11	14	4
SMR	1.15	1.16	0.71	0.99	0.70	1.03	1.44	1.07
LIVER (PRIMARY)								
STUDY OBS	0	5	0	0	0	1	0	0
SMR	0.00	2.69	0.00	0.00	0.00	1.67	0.00	0.00
CNTRL OBS	2	0	4	4	2	2	4	0
SMR	0.78	0.00	1.25	1.54	1.17	1.65	3.50	0.00
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	1	2	3	6	10	5	10	2
SMR	0.21	0.23	0.30	0.52	0.74	0.33	0.64	0.33
CNTRL OBS	3	7	10	13	11	24	25	9
SMR	0.32	0.40	0.49	0.55	0.40	0.79	0.79	0.71
BREAST (FEMALE)								
STUDY OBS	5	1	4	4	1	3	1	1
SMR	1.24	0.15	0.58	0.56	0.14	0.42	0.15	0.39
CNTRL OBS	9	8	14	20	17	9	8	3
SMR	1.11	0.59	1.02	1.40	1.17	0.64	0.60	0.57
THYROID								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	3	0	1	0	0	2	0
SMR	0.00	6.90	0.00	3.21	0.00	0.00	9.63	0.00
BONES & JOINTS								
STUDY OBS	0	1	1	0	1	0	0	0
SMR	0.00	2.50	3.15	0.00	4.40	0.00	0.00	0.00
CNTRL OBS	1	0	1	2	1	1	1	0
SMR	1.83	0.00	1.55	3.79	2.17	2.62	3.83	0.00
BLADDER								
STUDY OBS	0	1	0	0	1	1	0	0
SMR	0.00	1.02	0.00	0.00	1.44	1.58	0.00	0.00
CNTRL OBS	1	3	2	0	4	2	0	2
SMR	0.75	1.50	1.17	0.00	2.81	1.56	0.00	4.89
BRAIN & OTHER C.N.S.								
STUDY OBS	1	2	1	4	3	0	0	1
SMR	0.84	0.99	0.48	2.01	1.45	0.00	0.00	1.46
CNTRL OBS	4	6	8	5	3	5	6	2
SMR	1.66	1.47	1.90	1.24	0.72	1.24	1.62	1.37
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	0	0	0	1
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.07
CNTRL OBS	0	0	0	0	2	0	0	0
SMR	0.00	0.00	0.00	0.00	2.02	0.00	0.00	0.00

Table 2-B.11

Age at death: 60 plus		La Crosse (Genoa) (1967) Vernon, WI					
		YEARS BEFORE STARTUP		YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77
							1978-82
							1983-84
LEUKEMIA & ALEUKEMIA							
STUDY OBS	1		3	11	5	10	17
SMR	0.31		0.48	1.50	0.60	1.13	1.66
CNTRL OBS	6		10	12	15	19	19
SMR	0.96		0.82	0.82	0.90	1.06	0.89
ALL CANCER, EXCL LEUK							
STUDY OBS	78		157	159	161	192	194
SMR	0.80		0.91	0.86	0.81	0.90	0.74
CNTRL OBS	162		284	347	325	376	468
SMR	0.85		0.84	0.95	0.82	0.87	0.86
HODGKIN'S DISEASE							
STUDY OBS	2		3	1	3	1	2
SMR	3.22		2.71	0.85	2.45	0.83	2.46
CNTRL OBS	0		2	2	3	2	0
SMR	0.00		0.92	0.85	1.22	0.82	0.00
OTHER LYMPHOMA							
STUDY OBS	1		2	3	5	5	5
SMR	0.60		0.60	0.71	0.97	0.83	0.60
CNTRL OBS	3		3	8	15	4	13
SMR	0.92		0.45	0.95	1.45	0.33	0.75
MULTIPLE MYELOMA							
STUDY OBS	1		3	1	3	5	10
SMR	1.56		2.07	0.51	1.22	1.63	2.26
CNTRL OBS	0		4	4	6	13	19
SMR	0.00		1.40	1.02	1.21	2.09	2.07
DIGESTIVE ORGANS							
STUDY OBS	44		72	65	62	65	63
SMR	1.00		0.96	0.86	0.82	0.87	0.80
CNTRL OBS	89		145	166	126	151	157
SMR	1.03		0.99	1.12	0.84	1.00	0.96
STOMACH							
STUDY OBS	21		22	22	11	15	8
SMR	1.64		1.10	1.27	0.75	1.22	0.80
CNTRL OBS	17		53	45	26	36	22
SMR	0.68		1.35	1.32	0.89	1.45	1.06

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM								
STUDY OBS	16	25	28	25		41	30	19
SMR	0.89	0.79	0.84	0.72		1.07	0.75	1.15
CNTRL OBS	40	49	69	54		80	76	31
SMR	1.15	0.79	1.05	0.78		1.01	0.92	0.91
LIVER (PRIMARY)								
STUDY OBS	1	7	7	4		2	3	3
SMR	0.19	0.80	0.82	0.54		0.57	0.81	1.91
CNTRL OBS	22	16	24	21		2	6	3
SMR	2.14	0.93	1.42	1.43		0.28	0.78	0.92
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	2	6	8	24		28	39	20
SMR	0.22	0.32	0.31	0.72		0.52	0.59	0.69
CNTRL OBS	8	17	15	35		56	75	36
SMR	0.45	0.45	0.29	0.51		0.50	0.55	0.60
BREAST (FEMALE)								
STUDY OBS	3	11	14	8		19	15	9
SMR	0.46	0.94	1.14	0.60		1.19	0.83	1.14
CNTRL OBS	17	11	27	21		44	30	17
SMR	1.37	0.49	1.12	0.80		1.36	0.82	1.07
THYROID								
STUDY OBS	0	1	1	3		0	0	0
SMR	0.00	1.30	1.29	4.07		0.00	0.00	0.00
CNTRL OBS	0	1	3	1		2	2	1
SMR	0.00	0.67	1.97	0.68		1.38	1.44	1.81
BONES & JOINTS								
STUDY OBS	1	0	2	2		0	1	0
SMR	1.24	0.00	1.89	2.10		0.00	1.70	0.00
CNTRL OBS	0	2	4	1		1	3	1
SMR	0.00	0.81	1.92	0.52		0.58	2.45	2.61
BLADDER								
STUDY OBS	1	3	7	4		10	4	1
SMR	0.25	0.42	0.94	0.52		1.18	0.47	0.29
CNTRL OBS	4	6	12	12		13	16	6
SMR	0.50	0.43	0.82	0.78		0.73	0.88	0.82
BRAIN & OTHER C.N.S.								
STUDY OBS	1	3	0	1		4	1	2
SMR	1.38	2.13	0.00	0.46		0.96	0.20	0.95
CNTRL OBS	3	3	1	4		8	7	5
SMR	2.13	1.07	0.28	0.92		0.94	0.70	1.16
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0		0	1	0
SMR	0.00	0.00	0.00	0.00		0.00	0.65	0.00
CNTRL OBS	0	0	0	0		4	1	0
SMR	0.00	0.00	0.00	0.00		0.77	0.31	0.00

Table 2-B.11

Age at death: all	La Crosse (Genoa) (1967) Vernon, WI									
	YEARS BEFORE STARTUP		YEARS AFTER STARTUP		1973-77		1978-82		1983-84	
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84		
<b>LEUKEMIA &amp; ALEUKEMIA</b>										
STUDY OBS	4	9	16	10	17	9	20	4		
SMR	0.66	0.84	1.37	0.82	1.38	0.72	1.53	0.73		
CNTRL OBS	13	13	21	27	31	33	24	8		
SMR	1.08	0.60	0.89	1.09	1.22	1.26	0.87	0.70		
<b>ALL CANCER, EXCL LEUK</b>										
STUDY OBS	107	213	200	212	236	267	235	120		
SMR	0.79	0.91	0.82	0.83	0.87	0.92	0.74	0.90		
CNTRL OBS	225	385	456	442	479	519	584	238		
SMR	0.84	0.83	0.94	0.86	0.87	0.87	0.89	0.86		
<b>HODGKIN'S DISEASE</b>										
STUDY OBS	3	4	2	4	1	1	3	0		
SMR	1.91	1.53	0.77	1.56	0.42	0.54	2.07	0.00		
CNTRL OBS	1	6	2	5	5	2	2	2		
SMR	0.32	1.14	0.38	0.95	1.03	0.52	0.65	1.73		
<b>OTHER LYMPHOMA</b>										
STUDY OBS	3	3	6	7	7	10	6	6		
SMR	1.01	0.54	0.92	0.93	0.84	1.11	0.58	1.32		
CNTRL OBS	6	6	14	19	8	19	17	11		
SMR	1.02	0.54	1.07	1.25	0.47	1.03	0.79	1.17		
<b>MULTIPLE MYELOMA</b>										
STUDY OBS	2	3	2	3	5	5	10	1		
SMR	2.09	1.48	0.77	0.98	1.36	1.15	1.98	0.46		
CNTRL OBS	0	4	6	7	13	11	21	4		
SMR	0.00	0.99	1.16	1.14	1.75	1.22	2.01	0.90		
<b>DIGESTIVE ORGANS</b>										
STUDY OBS	52	97	78	80	75	84	69	40		
SMR	0.94	1.05	0.86	0.89	0.86	0.96	0.77	1.08		
CNTRL OBS	109	177	196	155	175	168	189	60		
SMR	1.00	0.97	1.09	0.86	0.99	0.93	1.02	0.78		
<b>STOMACH</b>										
STUDY OBS	24	27	26	14	17	10	9	4		
SMR	1.55	1.13	1.28	0.83	1.20	0.80	0.79	0.89		
CNTRL OBS	23	63	55	31	40	20	26	5		
SMR	0.75	1.34	1.37	0.92	1.39	0.78	1.10	0.53		

Age at death: all

La Crosse (Genoa) (1967)

Vernon, WI

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM								
STUDY OBS	20	36	35	33	32	48	33	21
SMR	0.88	0.92	0.87	0.80	0.76	1.09	0.73	1.14
CNTRL OBS	50	67	80	68	83	92	90	35
SMR	1.12	0.87	1.01	0.83	0.97	1.02	0.96	0.91
LIVER (PRIMARY)								
STUDY OBS	1	12	7	4	0	3	3	3
SMR	0.15	1.11	0.68	0.46	0.00	0.71	0.69	1.64
CNTRL OBS	24	16	28	25	11	4	10	3
SMR	1.84	0.75	1.38	1.43	0.95	0.46	1.11	0.79
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	3	8	11	31	42	33	49	23
SMR	0.21	0.29	0.31	0.68	0.74	0.48	0.60	0.66
CNTRL OBS	11	24	26	49	58	81	100	45
SMR	0.40	0.43	0.36	0.53	0.50	0.57	0.59	0.61
BREAST (FEMALE)								
STUDY OBS	8	12	18	12	15	23	16	10
SMR	0.72	0.62	0.90	0.57	0.67	0.97	0.63	0.93
CNTRL OBS	26	19	44	42	42	56	38	21
SMR	1.20	0.50	1.12	1.00	0.94	1.18	0.74	0.96
THYROID								
STUDY OBS	0	1	1	3	2	0	0	0
SMR	0.00	0.99	1.02	3.29	2.31	0.00	0.00	0.00
CNTRL OBS	0	4	3	2	0	2	4	1
SMR	0.00	2.01	1.54	1.10	0.00	1.16	2.46	1.56
BONES & JOINTS								
STUDY OBS	1	1	3	2	2	2	1	0
SMR	0.76	0.50	1.77	1.32	1.38	1.55	1.06	0.00
CNTRL OBS	1	4	6	4	3	2	5	1
SMR	0.38	0.99	1.75	1.30	1.01	0.74	2.48	1.52
BLADDER								
STUDY OBS	1	5	7	4	6	11	4	1
SMR	0.21	0.62	0.84	0.47	0.68	1.21	0.44	0.27
CNTRL OBS	5	9	14	12	14	15	16	8
SMR	0.54	0.56	0.85	0.71	0.78	0.79	0.83	1.03
BRAIN & OTHER C.N.S.								
STUDY OBS	5	7	1	6	8	5	3	3
SMR	1.80	1.46	0.20	1.15	1.32	0.71	0.40	0.96
CNTRL OBS	9	10	13	10	12	19	17	9
SMR	1.61	1.02	1.24	0.93	0.96	1.32	1.09	1.38
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	0	0	1	1
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.51	2.22
CNTRL OBS	0	0	0	0	5	5	1	0
SMR	0.00	0.00	0.00	0.00	1.08	0.70	0.24	0.00





Age at death: under 10

San Onofre 1,2,3 (1967)  
Orange, CA ; San Diego, CA

		YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY								
	OBS	0	0	0	1	1	1	0	2
	SMR	0.00	0.00	0.00	2.89	3.37	4.09	0.00	10.80
	CNTRL	0	0	0	0	0	1	1	0
LIVER (PRIMARY)	STUDY								
	OBS	4	1	0	6	3	3	2	0
	SMR	5.36	0.54	0.00	2.12	1.06	1.11	0.66	0.00
	CNTRL	0	3	0	0	0	3	0	2
TRACHEA, BRONCHUS, LUNG	STUDY								
	OBS	0	0	0	0	0	1	3	2
	SMR	0.00	0.00	0.00	0.00	0.00	1.66	3.43	4.00
	CNTRL	1	1	1	0	0	0	0	1
BREAST (FEMALE)	STUDY								
	OBS	6.70	3.07	3.10	0.00	0.00	0.00	0.00	3.71
	SMR								
	CNTRL	0	0	0	0	0	0	2	0
THYROID	STUDY								
	OBS	0.00	0.00	0.00	0.00	0.00	0.00	8.30	0.00
	SMR	0	0	0	0	0	0	1	0
	CNTRL	0.00	0.00	0.00	0.00	0.00	0.00	7.79	0.00
BONES & JOINTS	STUDY								
	OBS	0	3	5	4	0	3	0	1
	SMR	0.00	1.23	1.65	1.18	0.00	1.14	0.00	1.24
	CNTRL	0	2	0	1	3	4	3	2
BLADDER	STUDY								
	OBS	0.00	1.51	0.00	0.59	1.82	3.19	2.63	4.31
	SMR								
	CNTRL	0	0	0	0	0	0	0	0
BRAIN & OTHER C.N.S.	STUDY								
	OBS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SMR	0	0	0	0	0	1	0	0
	CNTRL	0.00	0.00	0.00	0.00	0.00	7.15	0.00	0.00
BENIGN & UNSPEC NEOPLASMS	STUDY								
	OBS	10	25	36	56	36	21	24	13
	SMR	1.02	0.94	0.95	1.48	1.08	0.78	0.97	1.27
	CNTRL	9	11	16	27	14	15	13	2
BENIGN & UNSPEC NEOPLASMS	STUDY								
	OBS	1.48	0.77	0.85	1.43	0.84	1.17	1.00	0.34
	SMR								
	CNTRL	0	0	0	0	5	8	4	1
BENIGN & UNSPEC NEOPLASMS	STUDY								
	OBS	0.00	0.00	0.00	0.00	0.61	0.72	0.70	0.72
	SMR	0	0	0	0	5	8	1	0
	CNTRL	0.00	0.00	0.00	0.00	1.22	1.53	0.34	0.00

Age at death: 10 to 19

San Onofre 1,2,3 (1967)  
Orange, CA ; San Diego, CA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	9	13	35	58	60	56	37	18
SMR	1.04	0.53	0.95	1.15	1.00	0.92	0.68	0.92
CNTRL OBS	7	13	22	24	32	31	35	9
SMR	1.32	1.03	1.25	1.01	1.13	1.12	1.39	0.96
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	15	49	64	91	138	105	107	36
SMR	0.88	1.04	0.91	0.94	1.22	0.94	1.08	1.00
CNTRL OBS	9	12	34	60	47	44	53	17
SMR	0.88	0.50	1.03	1.32	0.88	0.88	1.16	1.00
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	1	4	5	5	11	3	3	3
SMR	0.53	0.77	0.61	0.46	1.07	0.38	0.46	1.24
CNTRL OBS	1	0	4	7	4	1	6	1
SMR	0.92	0.00	1.07	1.41	0.84	0.28	2.02	0.90
<b>OTHER LYMPHOMA</b>								
STUDY OBS	1	7	9	12	20	15	18	3
SMR	0.44	1.01	0.83	0.81	1.18	0.92	1.29	0.60
CNTRL OBS	1	2	5	7	3	8	6	3
SMR	0.76	0.58	0.99	1.01	0.38	1.09	0.93	1.27
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	1	0	0	0	0	0	1	0
SMR	25.93	0.00	0.00	0.00	0.00	0.00	9.94	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	1	1	0	3	4	8	8	2
SMR	0.86	0.39	0.00	0.72	0.83	1.51	1.61	1.11
CNTRL OBS	1	0	0	1	4	2	4	1
SMR	1.48	0.00	0.00	0.52	1.79	0.85	1.78	1.21
<b>STOMACH</b>								
STUDY OBS	0	0	0	0	0	0	1	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	4.18	0.00
CNTRL OBS	0	0	0	0	1	0	0	0
SMR	0.00	0.00	0.00	0.00	7.49	0.00	0.00	0.00

Age at death: 10 to 19

San Onofre 1,2,3 (1967)  
Orange, CA ; San Diego, CA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM								
STUDY OBS	1	0	0	1	1	3	2	0
SMR	1.67	0.00	0.00	0.73	0.64	1.57	1.22	0.00
CNTRL OBS	1	0	0	0	0	1	2	0
SMR	2.94	0.00	0.00	0.00	0.00	1.20	2.77	0.00
LIVER (PRIMARY)								
STUDY OBS	0	1	0	1	1	2	2	2
SMR	0.00	1.46	0.00	0.61	0.55	0.95	0.89	2.36
CNTRL OBS	0	0	0	1	1	1	2	1
SMR	0.00	0.00	0.00	1.29	1.15	1.06	1.94	2.51
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	0	0	0	1	2	2	1	1
SMR	0.00	0.00	0.00	1.11	1.65	1.74	1.13	3.22
CNTRL OBS	0	1	1	1	1	0	0	0
SMR	0.00	2.97	3.16	2.42	1.77	0.00	0.00	0.00
BREAST (FEMALE)								
STUDY OBS	0	0	0	0	1	0	0	1
SMR	0.00	0.00	0.00	0.00	5.18	0.00	0.00	12.17
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS								
STUDY OBS	2	11	10	16	25	17	21	4
SMR	0.61	1.22	0.77	0.89	1.15	0.82	1.19	0.63
CNTRL OBS	3	0	5	12	8	8	7	4
SMR	1.53	0.00	0.82	1.44	0.79	0.86	0.86	1.33
BLADDER								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	4	17	16	31	42	31	25	9
SMR	1.00	1.48	0.90	1.35	1.52	1.08	1.01	1.01
CNTRL OBS	0	3	7	14	12	20	10	6
SMR	0.00	0.50	0.81	1.28	0.91	1.52	0.86	1.39
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	9	8	5	0
SMR	0.00	0.00	0.00	0.00	1.32	0.82	1.34	0.00
CNTRL OBS	0	0	0	0	7	8	0	0
SMR	0.00	0.00	0.00	0.00	2.14	1.81	0.00	0.00

Table 2-B.12

Age at death: 20 to 39

San Onofre 1,2,3 (1967)  
Orange, CA ; San Diego, CA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA								
STUDY OBS	22	48	70	71	80	88	117	62
SMR	1.13	1.06	1.18	0.99	0.95	0.85	0.95	1.12
CNTRL OBS	3	17	21	29	38	53	53	30
SMR	0.27	0.75	0.76	0.90	1.02	1.26	1.01	1.23
ALL CANCER, EXCL LEUK								
STUDY OBS	151	320	460	534	676	678	817	356
SMR	0.87	0.80	0.88	0.87	1.00	0.88	0.91	0.87
CNTRL OBS	82	176	214	248	299	315	358	165
SMR	0.82	0.88	0.88	0.89	0.97	0.98	0.92	0.89
HODGKIN'S DISEASE								
STUDY OBS	14	27	45	44	66	43	41	19
SMR	0.92	0.75	0.90	0.70	0.98	0.68	0.70	0.79
CNTRL OBS	3	9	24	23	28	34	20	11
SMR	0.35	0.50	1.04	0.81	0.94	1.30	0.80	1.03
OTHER LYMPHOMA								
STUDY OBS	9	11	24	41	51	47	55	21
SMR	0.98	0.52	0.80	1.10	1.19	0.93	0.87	0.71
CNTRL OBS	7	10	12	9	19	18	25	16
SMR	1.34	0.93	0.86	0.53	1.00	0.86	0.92	1.21
MULTIPLE MYELOMA								
STUDY OBS	1	4	3	4	1	5	1	1
SMR	1.43	2.25	1.30	1.54	0.37	1.58	0.25	0.53
CNTRL OBS	1	1	0	1	1	2	1	3
SMR	2.44	1.11	0.00	0.84	0.82	1.51	0.58	3.51
DIGESTIVE ORGANS								
STUDY OBS	25	50	77	65	91	98	108	64
SMR	0.75	0.69	0.87	0.68	0.90	0.87	0.82	1.06
CNTRL OBS	17	36	45	36	46	42	45	19
SMR	0.88	0.97	1.10	0.82	1.00	0.89	0.79	0.70
STOMACH								
STUDY OBS	5	10	19	11	17	24	25	16
SMR	0.66	0.62	1.03	0.61	0.97	1.28	1.15	1.57
CNTRL OBS	1	12	15	3	8	9	8	4
SMR	0.23	1.46	1.75	0.36	1.00	1.15	0.86	0.88

Age at death: 20 to 39

San Onofre 1,2,3 (1967)  
Orange, CA ; San Diego, CA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	12	26	24	34	39	43	40	28
SMR	0.72	0.72	0.55	0.73	0.80	0.78	0.64	1.00
CNTRL OBS	10	12	23	22	27	17	18	5
SMR	1.04	0.65	1.15	1.03	1.21	0.73	0.66	0.39
<b>LIVER (PRIMARY)</b>								
STUDY OBS	2	4	11	3	10	7	17	9
SMR	0.58	0.54	1.26	0.31	1.02	0.62	1.12	1.21
CNTRL OBS	1	6	2	4	0	6	4	4
SMR	0.50	1.60	0.49	0.91	0.00	1.30	0.63	1.25
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	5	17	38	55	73	80	66	25
SMR	0.53	0.67	0.95	1.04	1.14	1.10	0.80	0.67
CNTRL OBS	6	14	12	24	29	32	34	12
SMR	1.09	1.09	0.65	0.98	0.99	1.03	0.94	0.70
<b>BREAST (FEMALE)</b>								
STUDY OBS	24	44	60	80	98	88	126	65
SMR	1.07	0.83	0.85	0.99	1.09	0.83	0.93	1.00
CNTRL OBS	10	21	22	38	38	45	66	23
SMR	0.77	0.79	0.67	1.02	0.91	1.00	1.11	0.78
<b>THYROID</b>								
STUDY OBS	2	2	2	2	2	0	1	0
SMR	3.43	1.46	1.13	0.99	0.95	0.00	0.46	0.00
CNTRL OBS	0	0	2	2	2	0	3	1
SMR	0.00	0.00	2.43	2.14	2.11	0.00	3.12	2.16
<b>BONES &amp; JOINTS</b>								
STUDY OBS	2	5	11	6	6	12	25	7
SMR	0.54	0.62	1.12	0.53	0.43	0.69	1.23	0.79
CNTRL OBS	1	5	2	5	5	4	10	4
SMR	0.49	1.25	0.45	1.00	0.84	0.58	1.20	1.09
<b>BLADDER</b>								
STUDY OBS	0	3	1	3	1	3	4	2
SMR	0.00	1.61	0.47	1.35	0.44	1.33	1.46	1.47
CNTRL OBS	0	0	0	0	3	0	2	1
SMR	0.00	0.00	0.00	0.00	2.86	0.00	1.65	1.58
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	10	52	60	57	51	63	72	34
SMR	0.66	1.46	1.26	1.07	0.80	0.83	0.82	0.87
CNTRL OBS	3	19	20	25	30	29	34	15
SMR	0.35	1.06	0.90	1.03	1.05	0.92	0.89	0.84
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	12	29	6	2
SMR	0.00	0.00	0.00	0.00	0.71	1.08	0.39	0.56
CNTRL OBS	0	0	0	0	10	12	6	1
SMR	0.00	0.00	0.00	0.00	1.33	1.08	0.92	0.64



Age at death: 40 to 59

San Onofre 1,2,3 (1967)  
Orange, CA ; San Diego, CA

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	
LEUKEMIA & ALEUKEMIA							
STUDY OBS	33	87	80	124	157	188	84
SHR	0.93	1.12	0.79	0.93	0.98	1.00	0.94
CNTRL OBS	24	40	54	72	63	73	37
SHR	1.03	0.85	0.96	1.07	0.83	0.90	0.94
ALL CANCER, EXCL LEUK							
STUDY OBS	924	1820	2525	3693	4729	5821	2703
SHR	1.00	0.90	0.94	0.98	0.96	0.96	0.93
CNTRL OBS	567	1048	1321	1830	2182	2445	1135
SHR	0.93	0.85	0.87	0.96	0.94	0.93	0.89
HODGKIN'S DISEASE							
STUDY OBS	10	23	25	54	51	39	14
SHR	0.73	0.73	0.59	0.96	0.82	0.74	0.89
CNTRL OBS	9	21	17	26	32	15	6
SHR	0.99	1.11	0.74	0.93	1.10	0.66	0.86
OTHER LYMPHOMA							
STUDY OBS	29	52	87	150	183	199	97
SHR	1.19	0.89	1.02	1.20	1.13	1.06	1.06
CNTRL OBS	21	32	40	48	58	88	34
SHR	1.30	0.91	0.84	0.76	0.76	1.09	0.84
MULTIPLE MYELOMA							
STUDY OBS	6	25	29	34	57	68	30
SHR	0.71	1.19	0.94	0.84	1.06	0.93	0.81
CNTRL OBS	4	16	20	14	22	24	16
SHR	0.72	1.25	1.14	0.67	0.85	0.76	0.99
DIGESTIVE ORGANS							
STUDY OBS	266	479	619	900	1034	1204	534
SHR	0.91	0.80	0.84	0.95	0.91	0.90	0.87
CNTRL OBS	192	293	343	437	514	517	242
SHR	1.00	0.79	0.82	0.90	0.94	0.89	0.91
STOMACH							
STUDY OBS	60	98	103	159	162	178	87
SHR	0.84	0.73	0.73	1.01	0.94	0.97	1.10
CNTRL OBS	53	62	62	80	77	79	37
SHR	1.12	0.75	0.76	0.98	0.93	0.99	1.07

San Onofre 1,2,3 (1967)  
Orange, CA ; San Diego, CA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	100	203	274	367	417	516	564	231
SHR	0.82	0.79	0.86	0.88	0.82	0.85	0.86	0.86
CNTRL OBS	72	112	144	174	210	215	229	103
SHR	0.90	0.72	0.80	0.82	0.86	0.82	0.81	0.88
<b>LIVER (PRIMARY)</b>								
STUDY OBS	39	46	69	107	58	70	86	42
SHR	1.07	0.65	0.85	1.18	0.75	0.96	1.02	1.14
CNTRL OBS	26	33	26	48	27	28	18	17
SHR	1.08	0.76	0.56	1.02	0.72	0.89	0.50	1.07
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	109	297	480	817	1291	1699	2018	821
SHR	0.88	0.96	0.98	1.02	1.06	0.99	0.94	0.90
CNTRL OBS	65	160	238	442	591	689	851	348
SHR	0.78	0.84	0.85	1.08	1.01	0.93	0.92	0.87
<b>BREAST (FEMALE)</b>								
STUDY OBS	152	286	422	571	680	901	947	423
SHR	1.20	1.00	1.08	1.04	0.95	1.06	1.01	1.08
CNTRL OBS	87	148	178	260	315	356	345	153
SHR	1.08	0.88	0.83	0.94	0.94	0.97	0.85	0.91
<b>THYROID</b>								
STUDY OBS	2	5	8	7	7	19	9	8
SHR	0.50	0.61	0.85	0.63	0.57	1.37	0.64	1.45
CNTRL OBS	1	2	1	5	2	8	4	3
SHR	0.38	0.40	0.19	0.88	0.34	1.34	0.66	1.24
<b>BONES &amp; JOINTS</b>								
STUDY OBS	7	8	11	13	11	22	14	3
SHR	0.91	0.53	0.68	0.71	0.52	0.99	0.78	0.49
CNTRL OBS	1	6	11	11	6	7	10	1
SHR	0.20	0.65	1.20	1.17	0.60	0.73	1.29	0.37
<b>BLADDER</b>								
STUDY OBS	29	30	51	47	70	69	66	22
SHR	1.63	0.85	1.25	0.93	1.15	0.98	0.91	0.77
CNTRL OBS	13	24	19	29	30	37	32	14
SHR	1.09	1.09	0.81	1.10	1.02	1.21	1.02	1.12
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	34	74	111	174	191	242	229	114
SHR	1.02	0.96	1.03	1.23	0.99	1.05	0.94	1.14
CNTRL OBS	21	40	57	72	101	102	112	44
SHR	0.95	0.86	0.96	1.01	1.12	1.03	1.06	1.00
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	44	80	24	7
SHR	0.00	0.00	0.00	0.00	0.88	1.03	0.58	0.80
CNTRL OBS	0	0	0	0	29	43	18	3
SHR	0.00	0.00	0.00	0.00	1.25	1.28	1.01	0.79

Age at death: 60 plus

San Onofre 1,2,3 (1967)  
Orange, CA ; San Diego, CA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	86	181	240	329	442	572	806	321
SMR	1.19	1.05	0.96	0.91	0.94	0.93	1.03	0.90
CNTRL OBS	48	100	164	155	225	278	390	151
SMR	1.05	0.93	1.08	0.76	0.91	0.94	1.06	0.91
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	1977	4420	5931	8155	11244	15604	20503	9551
SMR	0.88	0.91	0.93	0.92	0.96	0.98	0.99	0.99
CNTRL OBS	1228	2745	3331	4610	5746	7198	9549	4393
SMR	0.87	0.91	0.86	0.93	0.93	0.94	0.97	0.98
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	11	19	31	57	79	65	65	23
SMR	0.77	0.60	0.75	1.03	1.17	0.95	1.00	0.85
CNTRL OBS	8	17	24	39	32	33	32	14
SMR	0.87	0.86	0.95	1.25	0.90	1.00	1.05	1.12
<b>OTHER LYMPHOMA</b>								
STUDY OBS	50	137	209	277	381	492	665	341
SMR	1.30	1.42	1.40	1.18	1.14	1.05	1.01	1.09
CNTRL OBS	22	71	81	121	172	212	268	150
SMR	0.90	1.19	0.90	0.92	0.98	0.94	0.87	1.03
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	26	55	101	120	175	310	362	148
SMR	1.72	1.29	1.42	1.05	1.00	1.19	1.00	0.87
CNTRL OBS	8	22	38	65	107	144	155	76
SMR	0.83	0.83	0.88	1.02	1.17	1.14	0.91	0.96
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	789	1739	2267	2881	3591	4728	5855	2598
SMR	0.78	0.83	0.87	0.86	0.88	0.93	0.94	0.93
CNTRL OBS	512	1050	1245	1687	1886	2160	2752	1198
SMR	0.81	0.81	0.79	0.90	0.88	0.88	0.94	0.92
<b>STOMACH</b>								
STUDY OBS	215	406	490	505	539	671	767	342
SMR	0.75	0.74	0.85	0.80	0.81	0.93	0.98	1.01
CNTRL OBS	158	272	268	323	322	335	343	168
SMR	0.87	0.80	0.75	0.90	0.92	0.95	0.93	1.06

Age at death: 60 plus

San Onofre 1,2,3 (1967)  
Orange, CA ; San Diego, CA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM								
STUDY OBS	334	737	973	1286	1698	2308	2836	1239
SMR	0.81	0.83	0.85	0.83	0.85	0.90	0.91	0.89
CNTRL OBS	192	396	500	759	869	1016	1362	558
SMR	0.75	0.72	0.72	0.88	0.84	0.82	0.93	0.86
LIVER (PRIMARY)								
STUDY OBS	114	181	233	317	158	203	282	144
SMR	0.91	0.71	0.77	0.95	0.60	0.85	0.95	1.05
CNTRL OBS	52	163	157	182	91	95	138	71
SMR	0.67	1.04	0.86	0.98	0.65	0.81	0.98	1.11
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	191	519	878	1513	2462	3755	5502	2724
SMR	0.95	1.00	1.03	1.05	1.08	1.05	1.05	1.08
CNTRL OBS	133	369	509	824	1232	1710	2479	1196
SMR	1.01	1.12	0.96	0.99	1.00	0.97	0.99	1.01
BREAST (FEMALE)								
STUDY OBS	154	377	496	695	882	1284	1664	803
SMR	0.88	0.98	0.99	1.00	0.95	1.03	1.03	1.08
CNTRL OBS	104	232	255	346	441	558	745	319
SMR	1.00	1.03	0.89	0.93	0.94	0.96	1.01	0.94
THYROID								
STUDY OBS	11	36	33	25	40	55	49	15
SMR	1.03	1.56	1.16	0.72	0.96	1.10	0.89	0.64
CNTRL OBS	8	6	15	19	18	22	27	9
SMR	1.22	0.43	0.89	0.99	0.84	0.93	1.06	0.83
BONES & JOINTS								
STUDY OBS	14	23	25	29	32	53	31	15
SMR	0.78	0.67	0.69	0.69	0.63	0.94	0.68	0.96
CNTRL OBS	4	10	13	17	16	22	17	3
SMR	0.35	0.47	0.59	0.71	0.60	0.81	0.79	0.41
BLADDER								
STUDY OBS	85	185	236	336	428	553	591	231
SMR	0.97	0.98	0.98	1.05	1.04	1.05	0.96	0.85
CNTRL OBS	59	124	120	179	202	255	262	137
SMR	1.06	1.05	0.81	0.98	0.92	0.98	0.89	1.07
BRAIN & OTHER C.N.S.								
STUDY OBS	23	52	84	119	218	299	416	220
SMR	1.34	1.24	1.29	1.17	1.21	1.01	1.03	1.17
CNTRL OBS	12	17	39	55	92	176	161	85
SMR	1.07	0.65	0.99	0.96	0.97	1.24	0.85	0.98
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	105	180	100	36
SMR	0.00	0.00	0.00	0.00	1.16	1.04	0.82	1.10
CNTRL OBS	0	0	0	0	50	117	52	27
SMR	0.00	0.00	0.00	0.00	1.07	1.41	0.91	1.79

Age at death: all

San Onofre 1,2,3 (1967)  
Orange, CA ; San Diego, CA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	185	390	522	699	832	977	1211	504
SHR	1.16	1.02	0.97	0.99	0.97	0.95	1.00	0.94
CNTRL OBS	96	195	299	338	413	469	600	238
SHR	0.96	0.87	1.01	0.91	0.96	0.98	1.07	0.95
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	3101	6674	9070	12597	16880	22288	28043	12691
SHR	0.92	0.90	0.93	0.94	0.96	0.97	0.97	0.98
CNTRL OBS	1908	4017	4944	6802	8331	10048	12663	5729
SHR	0.89	0.89	0.87	0.94	0.93	0.94	0.95	0.96
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	37	73	107	160	207	150	139	60
SHR	0.81	0.69	0.75	0.86	0.99	0.78	0.81	0.87
CNTRL OBS	21	48	70	96	98	84	68	33
SHR	0.74	0.80	0.92	1.03	0.98	0.98	0.89	1.05
<b>OTHER LYMPHOMA</b>								
STUDY OBS	93	221	340	494	647	762	966	466
SHR	1.19	1.15	1.18	1.16	1.14	1.04	1.01	1.05
CNTRL OBS	55	120	144	196	262	329	390	204
SHR	1.12	1.05	0.88	0.87	0.92	0.97	0.89	1.00
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	34	84	134	158	233	383	433	179
SHR	1.40	1.28	1.29	1.01	1.01	1.13	0.96	0.86
CNTRL OBS	13	39	58	80	130	170	188	95
SHR	0.83	0.96	0.94	0.93	1.10	1.07	0.90	0.99
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	1087	2270	2965	3857	4727	6042	7338	3202
SHR	0.81	0.82	0.86	0.88	0.89	0.92	0.94	0.92
CNTRL OBS	723	1382	1634	2161	2450	2726	3351	1463
SHR	0.85	0.81	0.80	0.90	0.89	0.88	0.93	0.92
<b>STOMACH</b>								
STUDY OBS	280	514	612	675	718	873	997	446
SHR	0.76	0.74	0.83	0.83	0.84	0.95	1.00	1.04
CNTRL OBS	213	346	345	406	408	423	429	209
SHR	0.91	0.80	0.77	0.90	0.93	0.96	0.93	1.06



Age at death: all

San Onofre 1,2,3 (1967)  
Orange, CA ; San Diego, CA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM								
STUDY OBS	447	966	1271	1689	2156	2871	3442	1500
SMR	0.81	0.82	0.84	0.84	0.84	0.89	0.90	0.89
CNTRL OBS	275	520	667	955	1106	1250	1612	666
SMR	0.79	0.72	0.75	0.87	0.85	0.82	0.91	0.86
LIVER (PRIMARY)								
STUDY OBS	159	233	313	434	230	285	389	197
SMR	0.96	0.70	0.79	0.99	0.65	0.87	0.97	1.07
CNTRL OBS	79	205	185	235	119	133	162	95
SMR	0.76	1.00	0.79	0.98	0.65	0.86	0.87	1.12
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	305	833	1396	2386	3828	5537	7590	3573
SMR	0.91	0.98	1.01	1.04	1.07	1.03	1.02	1.03
CNTRL OBS	205	545	761	1291	1853	2431	3364	1557
SMR	0.93	1.02	0.92	1.02	1.00	0.96	0.97	0.97
BREAST (FEMALE)								
STUDY OBS	330	707	978	1346	1661	2273	2739	1292
SMR	1.02	0.98	1.02	1.01	0.96	1.03	1.02	1.07
CNTRL OBS	201	401	455	644	794	959	1157	495
SMR	1.02	0.96	0.85	0.94	0.94	0.97	0.96	0.92
THYROID								
STUDY OBS	15	43	43	34	49	74	59	23
SMR	0.98	1.31	1.07	0.70	0.87	1.12	0.83	0.76
CNTRL OBS	9	8	18	26	22	30	34	13
SMR	0.94	0.40	0.77	1.00	0.77	0.98	1.04	0.94
BONES & JOINTS								
STUDY OBS	25	50	62	68	74	107	91	30
SMR	0.74	0.72	0.79	0.73	0.67	0.90	0.88	0.80
CNTRL OBS	9	23	31	46	38	45	47	14
SMR	0.43	0.57	0.72	0.95	0.70	0.83	1.00	0.82
BLADDER								
STUDY OBS	114	218	288	386	499	625	661	255
SMR	1.07	0.97	1.02	1.03	1.05	1.04	0.95	0.84
CNTRL OBS	72	148	139	208	235	293	296	152
SMR	1.06	1.05	0.80	0.99	0.94	1.01	0.90	1.08
BRAIN & OTHER C.N.S.								
STUDY OBS	81	220	307	437	538	656	766	390
SMR	1.02	1.14	1.11	1.22	1.08	1.00	0.98	1.13
CNTRL OBS	45	90	139	193	249	342	330	152
SMR	0.89	0.81	0.94	1.06	1.02	1.14	0.92	0.95
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	175	305	139	46
SMR	0.00	0.00	0.00	0.00	1.02	1.02	0.74	0.99
CNTRL OBS	0	0	0	0	101	188	77	31
SMR	0.00	0.00	0.00	0.00	1.19	1.37	0.89	1.45



Table 2-B.13

Age at death: under 10		Ginna (1969) Wayne, NY					
		YEARS BEFORE STARTUP			YEARS AFTER STARTUP		
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79
							1980-84
LEUKEMIA & ALEUKEMIA							
STUDY	OBS	3	3	1	1	1	1
	SMR	1.16	1.01	0.31	0.33	0.41	0.64
CNTRL	OBS	4	14	6	4	7	4
	SMR	0.54	1.71	0.72	0.55	1.27	1.13
ALL CANCER, EXCL LEUK							
STUDY	OBS	3	5	5	1	3	1
	SMR	1.11	1.63	1.57	0.33	1.16	0.51
CNTRL	OBS	10	10	14	7	6	4
	SMR	1.29	1.18	1.69	0.97	1.02	0.91
HODGKIN'S DISEASE							
STUDY	OBS	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00
OTHER LYMPHOMA							
STUDY	OBS	0	1	1	0	0	0
	SMR	0.00	2.26	2.22	0.00	0.00	0.00
CNTRL	OBS	1	1	2	1	0	1
	SMR	0.93	0.82	1.70	1.08	0.00	2.12
MULTIPLE MYELOMA							
STUDY	OBS	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS							
STUDY	OBS	1	0	0	0	0	0
	SMR	6.36	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	1	0	2	0	0	0
	SMR	2.19	0.00	4.75	0.00	0.00	0.00
STOMACH							
STUDY	OBS	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	1	0	0	0	0	0
	SMR	33.26	0.00	0.00	0.00	0.00	0.00

Age at death: under 10

Ginna (1969)  
Wayne, NY

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
COLON & RECTUM							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	1	0	0	0	0
SMR	0.00	0.00	25.84	0.00	0.00	0.00	0.00
LIVER (PRIMARY)							
STUDY OBS	1	0	0	0	0	0	0
SMR	12.98	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	1	0	0	0	0
SMR	0.00	0.00	3.61	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS							
STUDY OBS	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	10.97	0.00	0.00
CNTRL OBS	1	1	1	0	1	0	0
SMR	3.32	3.20	3.64	0.00	4.78	0.00	0.00
BLADDER							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	1	0	0	0	0	0	0
SMR	15.93	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.							
STUDY OBS	1	2	3	1	2	0	0
SMR	0.96	1.58	2.16	0.86	2.10	0.00	0.00
CNTRL OBS	3	3	6	3	2	1	0
SMR	1.00	0.86	1.66	1.07	0.93	0.63	0.00
BENIGN & UNSPEC NEOPLASMS							
STUDY OBS	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	2.37	0.00	0.00
CNTRL OBS	0	0	0	0	1	0	1
SMR	0.00	0.00	0.00	0.00	1.05	0.00	5.69

Age at death: 10 to 19

Ginna (1969)  
Wayne, NY

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-54	1955-59	1960-64	1965-69		1970-74	1975-79	1980-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	0	1	2	0		4	0	2
SMR	0.00	0.79	1.38	0.00		2.43	0.00	1.65
CNTRL OBS	2	1	3	4		6	5	3
SMR	0.74	0.31	0.82	0.98		1.45	1.35	1.03
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	3	2	4	5		5	1	5
SMR	1.50	0.85	1.47	1.64		1.66	0.39	2.30
CNTRL OBS	7	7	7	6		8	3	3
SMR	1.35	1.16	1.02	0.78		1.05	0.47	0.58
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	0	1	1		0	0	0
SMR	0.00	0.00	3.19	3.18		0.00	0.00	0.00
CNTRL OBS	1	0	1	1		1	0	0
SMR	1.82	0.00	1.25	1.23		1.66	0.00	0.00
<b>OTHER LYMPHOMA</b>								
STUDY OBS	0	0	0	1		1	0	1
SMR	0.00	0.00	0.00	2.13		2.25	0.00	3.28
CNTRL OBS	1	1	2	1		0	0	0
SMR	1.49	1.09	1.88	0.84		0.00	0.00	0.00
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00		0.00	0.00	0.00
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	1	2	0		0	0	0
SMR	0.00	3.58	6.83	0.00		0.00	0.00	0.00
<b>STOMACH</b>								
STUDY OBS	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00		0.00	0.00	0.00

Age at death: 10 to 19

Ginna (1969)  
Wayne, NY

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
COLON & RECTUM	STUDY							
	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL	0	1	0	0	0	0	0
LIVER (PRIMARY)	STUDY							
	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL	0	0	1	0	0	0	0
TRACHEA, BRONCHUS, LUNG	STUDY							
	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL	0	0	0	0	0	0	0
BREAST (FEMALE)	STUDY							
	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL	0	0	0	0	0	0	0
THYROID	STUDY							
	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL	0	0	0	0	0	0	0
BONES & JOINTS	STUDY							
	OBS	2	0	1	1	1	0	3
	SMR	5.22	0.00	2.05	1.77	1.71	0.00	7.75
	CNTRL	3	2	0	1	2	0	0
BLADDER	STUDY							
	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL	0	0	0	0	0	0	0
BRAIN & OTHER C.N.S.	STUDY							
	OBS	1	0	1	0	0	0	0
	SMR	2.01	0.00	1.39	0.00	0.00	0.00	0.00
	CNTRL	1	3	0	3	1	2	2
BENIGN & UNSPEC NEOPLASMS	STUDY							
	OBS	0.78	1.94	0.00	1.68	0.50	1.18	1.51
	SMR							
	CNTRL	0	0	0	0	0	0	0
	STUDY							
	OBS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL	0	0	0	0	2	2	0
	STUDY							
	OBS	0.00	0.00	0.00	0.00	2.58	4.12	0.00
	SMR							
	CNTRL	0	0	0	0			

Table 2-B.13

Age at death: 20 to 39		Ginna (1969) Wayne, NY						
		YEARS BEFORE STARTUP			YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
LEUKEMIA & ALEUKEMIA								
STUDY	OBS	2	3	1	3	0	9	3
	SMR	1.10	1.57	0.53	1.52	0.00	3.91	1.27
CNTRL	OBS	2	5	2	8	6	5	5
	SMR	0.38	0.98	0.42	1.69	1.19	0.90	0.86
ALL CANCER, EXCL LEUK								
STUDY	OBS	24	15	16	17	23	8	15
	SMR	1.43	0.89	0.94	0.98	1.30	0.45	0.81
CNTRL	OBS	42	41	39	37	33	34	45
	SMR	0.90	0.92	0.91	0.91	0.82	0.83	1.02
HODGKIN'S DISEASE								
STUDY	OBS	7	3	0	1	1	0	1
	SMR	4.96	1.98	0.00	0.57	0.61	0.00	0.95
CNTRL	OBS	8	4	7	1	4	4	4
	SMR	1.94	0.98	1.69	0.24	1.04	1.33	1.54
OTHER LYMPHOMA								
STUDY	OBS	0	0	2	2	4	1	0
	SMR	0.00	0.00	2.01	1.93	3.63	0.87	0.00
CNTRL	OBS	3	4	1	2	5	3	0
	SMR	1.20	1.66	0.39	0.80	1.94	1.09	0.00
MULTIPLE MYELOMA								
STUDY	OBS	0	1	0	0	0	0	0
	SMR	0.00	12.78	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	1	0	0	0	0	0
	SMR	0.00	4.63	0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS								
STUDY	OBS	4	3	3	1	2	1	3
	SMR	1.23	1.00	1.09	0.38	0.76	0.39	1.15
CNTRL	OBS	3	8	8	7	1	3	5
	SMR	0.33	0.99	1.13	1.11	0.17	0.50	0.80
STOMACH								
STUDY	OBS	0	0	1	0	1	1	0
	SMR	0.00	0.00	1.79	0.00	2.22	2.44	0.00
CNTRL	OBS	2	3	2	1	0	0	0
	SMR	0.95	1.71	1.38	0.89	0.00	0.00	0.00

Age at death: 20 to 39

Ginna (1969)  
Wayne, NY

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
<b>COLON &amp; RECTUM</b>							
STUDY OBS	2	2	0	0	0	0	2
SMR	1.22	1.34	0.00	0.00	0.00	0.00	1.59
CNTRL OBS	1	4	5	3	0	1	4
SMR	0.22	1.00	1.46	0.97	0.00	0.33	1.34
<b>LIVER (PRIMARY)</b>							
STUDY OBS	2	0	2	1	0	0	1
SMR	6.08	0.00	7.44	3.84	0.00	0.00	3.58
CNTRL OBS	0	1	0	1	0	0	1
SMR	0.00	1.23	0.00	1.57	0.00	0.00	1.42
<b>TRACHEA, BRONCHUS, LUNG</b>							
STUDY OBS	2	1	0	0	2	1	2
SMR	2.14	0.87	0.00	0.00	1.12	0.56	1.16
CNTRL OBS	1	2	8	4	3	5	5
SMR	0.37	0.63	2.19	1.03	0.74	1.23	1.24
<b>BREAST (FEMALE)</b>							
STUDY OBS	1	3	2	1	1	2	2
SMR	0.44	1.28	0.84	0.43	0.40	0.75	0.64
CNTRL OBS	6	1	5	6	2	6	8
SMR	1.02	0.17	0.88	1.15	0.38	1.05	1.15
<b>THYROID</b>							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	1
SMR	0.00	0.00	0.00	0.00	0.00	0.00	9.08
<b>BONES &amp; JOINTS</b>							
STUDY OBS	0	0	0	0	0	2	0
SMR	0.00	0.00	0.00	0.00	0.00	5.60	0.00
CNTRL OBS	1	0	1	0	1	1	2
SMR	1.03	0.00	1.36	0.00	1.22	1.11	2.28
<b>BLADDER</b>							
STUDY OBS	0	0	1	0	1	0	0
SMR	0.00	0.00	15.07	0.00	16.14	0.00	0.00
CNTRL OBS	2	0	0	0	0	0	0
SMR	7.47	0.00	0.00	0.00	0.00	0.00	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>							
STUDY OBS	1	0	3	1	4	1	3
SMR	0.69	0.00	1.92	0.69	2.26	0.58	1.65
CNTRL OBS	4	4	2	2	4	2	6
SMR	0.96	0.98	0.51	0.58	0.98	0.49	1.37
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>							
STUDY OBS	0	0	0	0	2	1	0
SMR	0.00	0.00	0.00	0.00	2.82	1.95	0.00
CNTRL OBS	0	0	0	0	1	1	0
SMR	0.00	0.00	0.00	0.00	0.61	0.82	0.00



Age at death: 40 to 59

Ginna (1969)  
Wayne, NY

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-54	1955-59	1960-64	1965-69		1970-74	1975-79	1980-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	4	2	8	6		4	2	6
SMR	0.90	0.43	1.64	1.20		0.83	0.42	1.26
CNTRL OBS	10	14	10	14		14	11	9
SMR	0.79	1.12	0.81	1.11		1.14	0.91	0.77
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	113	94	130	130		144	145	147
SMR	0.97	0.76	0.98	0.89		0.93	0.95	0.97
CNTRL OBS	283	311	325	383		380	394	373
SMR	0.86	0.95	0.97	1.05		0.97	1.01	1.00
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	2	3	3	3		3	1	2
SMR	1.17	1.57	1.53	1.46		1.74	0.92	2.34
CNTRL OBS	4	5	6	4		7	4	3
SMR	0.82	0.98	1.20	0.77		1.61	1.45	1.47
<b>OTHER LYMPHOMA</b>								
STUDY OBS	5	2	7	7		4	5	4
SMR	1.62	0.54	1.63	1.42		0.80	1.07	0.80
CNTRL OBS	10	8	8	13		17	12	8
SMR	1.13	0.81	0.73	1.05		1.34	0.99	0.65
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	1	0	1	0		3	4	2
SMR	0.94	0.00	0.64	0.00		1.68	2.14	1.07
CNTRL OBS	1	4	5	3		5	3	2
SMR	0.33	1.09	1.27	0.79		1.12	0.63	0.44
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	43	22	33	30		27	40	34
SMR	1.17	0.62	0.92	0.83		0.76	1.21	1.08
CNTRL OBS	106	103	85	103		98	79	76
SMR	1.00	1.08	0.94	1.14		1.10	0.93	0.98
<b>STOMACH</b>								
STUDY OBS	13	4	3	4		9	4	6
SMR	1.46	0.54	0.47	0.70		1.76	0.92	1.49
CNTRL OBS	25	25	12	17		15	4	9
SMR	0.97	1.26	0.74	1.20		1.17	0.36	0.92

Age at death: 40 to 59

Ginna (1969)  
Wayno, NY

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM								
STUDY OBS	23	11	21	20	9	19	13	
SMR	1.48	0.71	1.35	1.24	0.56	1.25	0.93	
CNTRL OBS	54	44	44	48	38	38	40	
SMR	1.23	1.08	1.12	1.19	0.94	0.97	1.15	
LIVER (PRIMARY)								
STUDY OBS	2	0	4	2	1	2	3	
SMR	0.44	0.00	1.03	0.62	0.51	1.15	1.64	
CNTRL OBS	9	10	2	8	3	2	4	
SMR	0.69	0.94	0.21	1.01	0.61	0.45	0.91	
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	15	16	22	31	47	41	49	
SMR	0.95	0.77	0.84	0.92	1.14	0.90	1.02	
CNTRL OBS	26	45	49	65	102	111	125	
SMR	0.55	0.80	0.74	0.77	0.97	0.95	1.05	
BREAST (FEMALE)								
STUDY OBS	16	14	24	15	23	17	18	
SMR	1.02	0.81	1.28	0.71	1.04	0.80	0.89	
CNTRL OBS	50	55	56	55	57	64	56	
SMR	1.19	1.25	1.19	1.05	1.04	1.19	1.13	
THYROID								
STUDY OBS	0	1	0	0	0	0	0	
SMR	0.00	2.06	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	1	1	1	1	2	1	
SMR	0.00	0.78	0.91	0.99	1.08	2.28	1.40	
BONES & JOINTS								
STUDY OBS	0	1	2	0	0	0	0	
SMR	0.00	1.15	2.75	0.00	0.00	0.00	0.00	
CNTRL OBS	1	1	2	0	0	0	1	
SMR	0.36	0.43	1.09	0.00	0.00	0.00	1.29	
BLADDER								
STUDY OBS	0	2	3	2	0	5	1	
SMR	0.00	0.96	1.52	1.01	0.00	2.88	0.66	
CNTRL OBS	8	7	7	10	5	13	7	
SMR	1.20	1.25	1.41	2.03	1.02	2.87	1.85	
BRAIN & OTHER C.N.S.								
STUDY OBS	1	3	3	4	4	1	1	
SMR	0.24	0.63	0.57	0.76	0.64	0.18	0.18	
CNTRL OBS	7	7	12	16	15	12	5	
SMR	0.58	0.55	0.89	1.21	0.94	0.83	0.37	
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	5	0	0	
SMR	0.00	0.00	0.00	0.00	2.05	0.00	0.00	
CNTRL OBS	0	0	0	0	11	6	0	
SMR	0.00	0.00	0.00	0.00	1.80	1.45	0.00	

Age at death: 60 plus

Ginna (1969)  
Wayne, NY

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
LEUKEMIA & ALEUKEMIA							
	STUDY OBS	15	20	18	23	22	28
	SMR	1.24	1.35	1.08	1.28	1.23	1.32
	CNTRL OBS	35	39	50	51	54	66
SMR	1.07	0.97	1.11	1.06	1.11	1.22	1.11
ALL CANCER, EXCL LEUK							
	STUDY OBS	361	381	362	382	463	611
	SMR	0.97	0.97	0.89	0.90	1.04	1.03
	CNTRL OBS	968	1000	967	1073	1138	1367
SMR	0.96	0.93	0.87	0.94	0.94	1.00	0.99
HODGKIN'S DISEASE							
	STUDY OBS	2	3	4	1	0	1
	SMR	0.85	1.19	1.56	0.38	0.00	0.55
	CNTRL OBS	6	9	4	7	2	6
SMR	0.94	1.30	0.57	1.00	0.30	1.20	0.45
OTHER LYMPHOMA							
	STUDY OBS	11	6	12	14	14	17
	SMR	1.74	0.73	1.22	1.19	1.08	1.16
	CNTRL OBS	17	27	28	34	35	47
SMR	0.99	1.20	1.04	1.08	1.00	1.15	1.10
MULTIPLE MYELOMA							
	STUDY OBS	2	8	5	2	11	3
	SMR	0.83	2.12	1.08	0.35	1.61	0.31
	CNTRL OBS	10	8	14	5	17	27
SMR	1.52	0.77	1.11	0.33	0.92	1.14	1.00
DIGESTIVE ORGANS							
	STUDY OBS	160	155	155	155	162	171
	SMR	0.95	0.92	0.94	0.98	1.08	1.10
	CNTRL OBS	422	416	384	417	398	462
SMR	0.92	0.91	0.86	0.98	0.97	1.07	1.16
STOMACH							
	STUDY OBS	50	43	35	31	25	20
	SMR	1.03	1.04	1.01	1.10	1.08	0.97
	CNTRL OBS	105	87	75	63	47	42
SMR	0.80	0.77	0.79	0.84	0.75	0.73	0.95

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
<b>COLON &amp; RECTUM</b>							
STUDY OBS	69	80	71	86	81	98	85
SMR	1.00	1.10	0.96	1.15	1.08	1.25	1.04
CNTRL OBS	199	198	191	228	229	261	273
SMR	1.06	1.01	0.95	1.13	1.12	1.19	1.19
<b>LIVER (PRIMARY)</b>							
STUDY OBS	13	11	15	7	4	6	6
SMR	0.63	0.56	0.80	0.50	0.55	0.85	0.75
CNTRL OBS	39	43	36	22	11	12	22
SMR	0.70	0.81	0.71	0.59	0.56	0.62	1.00
<b>TRACHEA, BRONCHUS, LUNG</b>							
STUDY OBS	31	34	35	61	93	129	160
SMR	0.94	0.76	0.61	0.82	1.00	1.09	1.08
CNTRL OBS	80	84	133	187	219	289	379
SMR	0.88	0.67	0.84	0.94	0.88	0.89	0.93
<b>BREAST (FEMALE)</b>							
STUDY OBS	36	42	27	30	31	30	48
SMR	1.30	1.42	0.89	0.94	0.92	0.81	1.12
CNTRL OBS	97	95	93	86	86	119	109
SMR	1.29	1.19	1.14	0.99	0.92	1.15	0.92
<b>THYROID</b>							
STUDY OBS	1	1	2	1	1	0	2
SMR	0.58	0.54	1.15	0.63	0.66	0.00	1.46
CNTRL OBS	6	10	6	3	3	5	2
SMR	1.27	2.01	1.28	0.71	0.72	1.23	0.52
<b>BONES &amp; JOINTS</b>							
STUDY OBS	6	3	2	4	0	1	2
SMR	1.98	1.16	0.96	2.02	0.00	0.63	2.17
CNTRL OBS	7	3	8	5	6	5	0
SMR	0.85	0.43	1.40	0.95	1.18	1.13	0.00
<b>BLADDER</b>							
STUDY OBS	11	18	15	17	18	25	20
SMR	0.73	1.15	0.95	1.07	1.12	1.53	1.22
CNTRL OBS	35	50	42	48	40	62	55
SMR	0.86	1.17	0.97	1.13	0.92	1.34	1.19
<b>BRAIN &amp; OTHER C.N.S.</b>							
STUDY OBS	0	5	1	4	2	8	12
SMR	0.00	1.50	0.25	0.81	0.26	0.84	1.09
CNTRL OBS	3	4	7	12	24	34	20
SMR	0.40	0.43	0.62	0.91	1.18	1.30	0.66
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>							
STUDY OBS	0	0	0	0	4	6	2
SMR	0.00	0.00	0.00	0.00	0.74	1.20	1.07
CNTRL OBS	0	0	0	0	20	25	4
SMR	0.00	0.00	0.00	0.00	1.37	1.79	0.77

Age at death: all

Ginna (1969)  
Wayne, NY

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	24	29	30	33	31	28	39	
	SMR	1.09	1.13	1.07	1.11	1.07	0.96	1.27	
CNTRL	OBS	53	73	71	81	87	90	86	
	SMR	0.87	1.05	0.95	1.05	1.15	1.15	1.05	
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	504	497	517	535	638	663	780	
	SMR	0.99	0.92	0.92	0.90	1.02	0.99	1.06	
CNTRL	OBS	1310	1369	1352	1506	1565	1802	1974	
	SMR	0.93	0.94	0.90	0.96	0.95	0.99	0.99	
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	11	9	8	6	4	2	4	
	SMR	1.92	1.44	1.22	0.88	0.66	0.46	1.10	
CNTRL	OBS	19	18	18	13	14	14	9	
	SMR	1.18	1.06	1.05	0.75	0.91	1.25	0.96	
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	16	9	22	24	23	23	29	
	SMR	1.47	0.66	1.37	1.29	1.16	1.09	1.14	
CNTRL	OBS	32	41	41	51	57	63	65	
	SMR	1.06	1.11	0.96	1.05	1.09	1.10	0.95	
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	3	9	6	2	14	17	5	
	SMR	0.84	1.72	0.96	0.28	1.61	1.67	0.43	
CNTRL	OBS	11	13	19	8	22	29	29	
	SMR	1.12	0.91	1.13	0.42	0.95	1.04	0.91	
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	208	180	191	186	191	211	208	
	SMR	0.99	0.87	0.94	0.94	1.01	1.11	1.05	
CNTRL	OBS	532	528	481	527	497	544	609	
	SMR	0.93	0.94	0.88	1.01	0.98	1.04	1.13	
<b>STOMACH</b>									
STUDY	OBS	63	47	39	35	35	25	33	
	SMR	1.08	0.95	0.93	1.02	1.22	0.98	1.37	
CNTRL	OBS	133	115	89	81	62	46	61	
	SMR	0.84	0.86	0.79	0.90	0.81	0.66	0.93	

Age at death: all

Ginna (1969)  
Wayne, NY

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>COLON &amp; RECTUM</b>								
STUDY OBS	94	93	92	106	90	117	100	
SMR	1.09	1.04	1.01	1.15	0.97	1.23	1.03	
CNTRL OBS	254	247	241	279	267	300	317	
SMR	1.08	1.02	0.99	1.14	1.07	1.14	1.19	
<b>LIVER (PRIMARY)</b>								
STUDY OBS	18	11	21	10	5	8	10	
SMR	0.70	0.46	0.91	0.57	0.52	0.87	0.98	
CNTRL OBS	48	54	40	31	14	14	27	
SMR	0.68	0.83	0.65	0.67	0.55	0.56	0.98	
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	48	51	57	92	142	171	211	
SMR	0.96	0.76	0.67	0.84	1.04	1.03	1.06	
CNTRL OBS	107	131	190	256	324	405	509	
SMR	0.76	0.71	0.83	0.89	0.91	0.91	0.96	
<b>BREAST (FEMALE)</b>								
STUDY OBS	53	59	53	46	55	49	68	
SMR	1.16	1.20	1.03	0.83	0.94	0.80	1.03	
CNTRL OBS	153	151	154	147	145	189	173	
SMR	1.24	1.16	1.15	1.02	0.94	1.16	0.99	
<b>THYROID</b>								
STUDY OBS	1	2	2	1	1	0	2	
SMR	0.43	0.83	0.89	0.49	0.52	0.00	1.17	
CNTRL OBS	6	11	7	4	4	7	4	
SMR	0.95	1.71	1.18	0.74	0.77	1.38	0.86	
<b>BONES &amp; JOINTS</b>								
STUDY OBS	8	4	5	5	2	3	5	
SMR	1.66	0.92	1.35	1.38	0.57	1.00	2.47	
CNTRL OBS	13	7	12	6	10	6	3	
SMR	0.98	0.60	1.23	0.64	1.09	0.76	0.57	
<b>BLADDER</b>								
STUDY OBS	11	20	19	19	19	30	21	
SMR	0.63	1.12	1.06	1.06	1.05	1.66	1.17	
CNTRL OBS	46	57	49	58	45	75	62	
SMR	0.96	1.17	1.01	1.22	0.93	1.48	1.24	
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	4	10	11	10	12	10	16	
SMR	0.40	0.87	0.84	0.74	0.69	0.55	0.82	
CNTRL OBS	18	21	27	36	46	51	33	
SMR	0.65	0.67	0.79	1.05	1.03	1.06	0.65	
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	12	7	2	
SMR	0.00	0.00	0.00	0.00	1.29	0.92	0.78	
CNTRL OBS	0	0	0	0	35	34	5	
SMR	0.00	0.00	0.00	0.00	1.45	1.67	0.73	









Age at death: 10 to 19

Nine Mile Point 1/Fitzpatrick (1969)  
Oswego, NY

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
COLON & RECTUM							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	1	0
SMR	0.00	0.00	0.00	0.00	0.00	6.10	0.00
TRACHEA, BRONCHUS, LUNG							
STUDY OBS	0	0	0	1	0	0	0
SMR	0.00	0.00	0.00	24.02	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS							
STUDY OBS	1	0	1	0	0	0	0
SMR	1.90	0.00	1.49	0.00	0.00	0.00	0.00
CNTRL OBS	1	0	1	0	1	1	0
SMR	0.72	0.00	0.61	0.00	0.54	0.72	0.00
BLADDER							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.							
STUDY OBS	0	0	0	0	0	1	0
SMR	0.00	0.00	0.00	0.00	0.00	1.00	0.00
CNTRL OBS	4	1	0	4	3	2	1
SMR	2.21	0.47	0.00	1.75	1.21	0.97	0.62
BENIGN & UNSPEC NEOPLASMS							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	1	1	0
SMR	0.00	0.00	0.00	0.00	1.04	1.70	0.00

Age at death: 20 to 39

Nine Mile Point 1/Fitzpatrick (1969)  
Oswego, NY

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	0	0	0	2	3	4	1	
	SMR	0.00	0.00	0.00	0.83	1.09	1.28	0.31	
CNTRL	OBS	10	7	8	7	6	8	7	
	SMR	1.54	1.11	1.37	1.22	1.01	1.28	1.12	
ALL CANCER, EXCL LEUK									
STUDY	OBS	22	31	22	18	30	30	25	
	SMR	1.02	1.49	1.08	0.89	1.42	1.35	1.06	
CNTRL	OBS	59	53	55	49	51	66	53	
	SMR	1.01	0.96	1.04	0.99	1.07	1.43	1.12	
HODGKIN'S DISEASE									
STUDY	OBS	1	4	2	5	5	0	3	
	SMR	0.53	2.10	0.99	2.30	2.36	0.00	2.06	
CNTRL	OBS	4	9	8	6	10	4	4	
	SMR	0.79	1.79	1.56	1.17	2.18	1.18	1.43	
OTHER LYMPHOMA									
STUDY	OBS	2	0	2	1	3	4	1	
	SMR	1.77	0.00	1.67	0.81	2.17	2.64	0.58	
CNTRL	OBS	0	3	3	3	5	2	3	
	SMR	0.00	1.02	0.98	1.01	1.66	0.65	0.90	
MULTIPLE MYELOMA									
STUDY	OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL	OBS	0	0	1	0	0	0	1	
	SMR	0.00	0.00	4.64	0.00	0.00	0.00	4.97	
DIGESTIVE ORGANS									
STUDY	OBS	3	4	3	2	1	8	4	
	SMR	0.73	1.10	0.93	0.67	0.33	2.57	1.25	
CNTRL	OBS	11	8	9	12	8	12	7	
	SMR	0.99	0.82	1.07	1.62	1.18	1.84	1.07	
STOMACH									
STUDY	OBS	0	0	1	0	0	0	0	
	SMR	0.00	0.00	1.56	0.00	0.00	0.00	0.00	
CNTRL	OBS	1	0	1	2	0	0	4	
	SMR	0.40	0.00	0.59	1.55	0.00	0.00	3.82	

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
COLON & RECTUM							
STUDY OBS	3	0	2	2	1	6	4
SHR	1.44	0.00	1.25	1.34	0.68	3.83	2.58
CNTRL OBS	7	5	4	2	7	10	1
SHR	1.24	1.01	0.96	0.54	2.08	3.04	0.32
LIVER (PRIMARY)							
STUDY OBS	0	1	0	0	0	1	0
SHR	0.00	2.83	0.00	0.00	0.00	3.33	0.00
CNTRL OBS	0	1	0	1	1	1	2
SHR	0.00	1.05	0.00	1.39	1.66	1.61	2.85
TRACHEA, BRONCHUS, LUNG							
STUDY OBS	3	0	3	2	3	3	3
SHR	2.55	0.00	1.88	1.13	1.50	1.45	1.45
CNTRL OBS	3	5	5	10	4	11	8
SHR	0.94	1.34	1.19	2.25	0.87	2.50	1.85
BREAST (FEMALE)							
STUDY OBS	4	4	3	3	4	3	5
SHR	1.40	1.37	1.04	1.12	1.42	0.97	1.36
CNTRL OBS	5	5	6	3	5	14	3
SHR	0.64	0.64	0.79	0.44	0.75	2.09	0.38
THYROID							
STUDY OBS	0	0	0	0	0	0	0
SHR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0
SHR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS							
STUDY OBS	0	0	0	1	0	1	0
SHR	0.00	0.00	0.00	2.72	0.00	1.88	0.00
CNTRL OBS	2	1	0	1	3	0	1
SHR	1.68	0.97	0.00	1.19	3.10	0.00	1.06
BLADDER							
STUDY OBS	0	0	0	0	1	0	0
SHR	0.00	0.00	0.00	0.00	14.19	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	1
SHR	0.00	0.00	0.00	0.00	0.00	0.00	6.18
BRAIN & OTHER C.N.S.							
STUDY OBS	3	5	2	1	3	6	3
SHR	1.57	2.62	1.06	0.57	1.37	2.67	1.25
CNTRL OBS	6	3	5	1	4	6	3
SHR	1.17	0.59	1.04	0.24	0.83	1.31	0.64
BENIGN & UNSPEC NEOPLASMS							
STUDY OBS	0	0	0	0	2	2	0
SHR	0.00	0.00	0.00	0.00	2.31	3.03	0.00
CNTRL OBS	0	0	0	0	4	3	0
SHR	0.00	0.00	0.00	0.00	2.09	2.22	0.00



Table 2-B.14

Age at death: 40 to 59		Nine Mile Point 1/Fitzpatrick (1969) Oswego, NY						
		YEARS BEFORE STARTUP		YEARS AFTER STARTUP				
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
LEUKEMIA & ALEUKEMIA								
STUDY	OBS	5	3	4	7	3	7	5
	SMR	0.88	0.53	0.69	1.16	0.50	1.16	0.84
CNTRL	OBS	15	16	10	11	11	16	9
	SMR	0.89	0.98	0.63	0.70	0.73	1.11	0.65
ALL CANCER, EXCL LEUK								
STUDY	OBS	154	147	153	185	200	235	205
	SMR	1.04	0.99	0.98	1.05	1.04	1.20	1.08
CNTRL	OBS	443	419	427	484	486	496	456
	SMR	1.01	0.97	0.98	1.05	1.01	1.06	1.03
HODGKIN'S DISEASE								
STUDY	OBS	3	4	1	0	1	1	2
	SMR	1.37	1.72	0.43	0.00	0.47	0.72	1.89
CNTRL	OBS	8	3	7	4	7	5	4
	SMR	1.25	0.45	1.10	0.62	1.32	1.52	1.65
OTHER LYMPHOMA								
STUDY	OBS	4	2	5	4	5	3	9
	SMR	1.01	0.45	0.98	0.67	0.80	0.49	1.43
CNTRL	OBS	12	18	12	22	11	13	15
	SMR	1.03	1.40	0.85	1.41	0.71	0.90	1.03
MULTIPLE MYELOMA								
STUDY	OBS	1	3	4	2	2	4	3
	SMR	0.74	1.83	2.22	1.12	0.92	1.70	1.30
CNTRL	OBS	4	2	4	4	1	5	7
	SMR	0.99	0.42	0.79	0.85	0.18	0.88	1.30
DIGESTIVE ORGANS								
STUDY	OBS	57	43	34	55	44	52	52
	SMR	1.21	1.01	0.82	1.28	1.01	1.24	1.32
CNTRL	OBS	134	122	105	131	128	117	95
	SMR	0.96	0.98	0.90	1.16	1.17	1.16	1.04
STOMACH								
STUDY	OBS	5	5	6	9	3	8	3
	SMR	0.44	0.57	0.81	1.35	0.49	1.47	0.61
CNTRL	OBS	33	30	16	13	10	15	13
	SMR	0.97	1.16	0.77	0.74	0.64	1.15	1.13

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM								
	STUDY OBS	23	18	26	27	21	33	
	SMR	1.23	0.98	1.34	1.35	1.07	1.85	
CNTRL	OBS	58	53	68	66	56	47	
	SMR	1.07	1.03	1.33	1.32	1.19	1.14	
LIVER (PRIMARY)								
	STUDY OBS	8	4	5	2	3	1	
	SMR	1.66	0.89	1.33	0.85	1.39	0.45	
CNTRL	OBS	6	16	8	5	10	5	
	SMR	0.43	1.27	0.81	0.84	1.93	0.97	
TRACHEA, BRONCHUS, LUNG								
	STUDY OBS	22	33	38	64	77	58	
	SMR	0.88	1.08	0.95	1.25	1.33	0.96	
CNTRL	OBS	66	75	116	122	157	157	
	SMR	0.90	0.88	1.10	0.96	1.13	1.12	
BREAST (FEMALE)								
	STUDY OBS	20	27	28	30	34	23	
	SMR	0.96	1.21	1.09	1.09	1.24	0.89	
CNTRL	OBS	65	70	66	66	62	72	
	SMR	1.10	1.13	0.99	0.96	0.94	1.19	
THYROID								
	STUDY OBS	0	1	0	0	3	0	
	SMR	0.00	1.95	0.00	0.00	6.80	0.00	
CNTRL	OBS	0	2	2	0	2	2	
	SMR	0.00	1.39	1.58	0.00	1.90	2.34	
BONES & JOINTS								
	STUDY OBS	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL	OBS	4	1	1	2	0	1	
	SMR	1.33	0.42	0.47	1.02	0.00	1.09	
BLADDER								
	STUDY OBS	5	5	7	1	4	1	
	SMR	2.00	2.19	2.97	0.42	1.78	0.52	
CNTRL	OBS	11	4	6	6	5	3	
	SMR	1.49	0.62	0.97	1.00	0.93	0.67	
BRAIN & OTHER C.N.S.								
	STUDY OBS	8	4	1	3	7	7	
	SMR	1.37	0.63	0.16	0.38	0.96	1.01	
CNTRL	OBS	12	19	15	22	20	13	
	SMR	0.72	1.09	0.90	1.13	1.15	0.81	
BENIGN & UNSPEC NEOPLASMS								
	STUDY OBS	0	0	0	1	1	0	
	SMR	0.00	0.00	0.00	0.33	0.48	0.00	
CNTRL	OBS	0	0	0	8	5	1	
	SMR	0.00	0.00	0.00	1.07	1.01	0.80	

Age at death: 60 plus

Nine Mile Point 1/Fitzpatrick (1969)  
Oswego, NY

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	13	16	20	24	23	21	31	
SMR	0.89	0.90	1.00	1.12	1.07	0.90	1.19	
CNTRL OBS	36	41	51	70	81	67	74	
SMR	0.84	0.78	0.87	1.12	1.31	1.04	1.06	
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	392	465	440	497	544	661	715	
SMR	0.88	0.99	0.90	0.98	1.01	1.09	1.03	
CNTRL OBS	1274	1350	1351	1539	1542	1763	1955	
SMR	0.97	0.97	0.94	1.04	1.00	1.06	1.06	
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	1	2	1	3	2	3	3	
SMR	0.35	0.65	0.32	0.95	0.68	1.33	1.52	
CNTRL OBS	6	7	13	11	11	7	3	
SMR	0.72	0.77	1.42	1.20	1.31	1.15	0.58	
<b>OTHER LYMPHOMA</b>								
STUDY OBS	1	13	10	18	11	22	23	
SMR	0.13	1.30	0.84	1.28	0.70	1.21	1.00	
CNTRL OBS	29	27	33	37	43	51	59	
SMR	1.29	0.92	0.94	0.90	0.96	1.02	0.96	
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	1	6	3	6	10	6	10	
SMR	0.34	1.31	0.53	0.89	1.22	0.60	0.84	
CNTRL OBS	6	18	17	26	22	25	34	
SMR	0.70	1.33	1.03	1.32	0.94	0.90	1.07	
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	190	197	175	170	189	216	211	
SMR	0.94	0.99	0.90	0.91	1.05	1.14	1.06	
CNTRL OBS	551	538	543	564	548	562	613	
SMR	0.93	0.91	0.94	1.03	1.06	1.07	1.14	
<b>STOMACH</b>								
STUDY OBS	37	46	20	29	27	26	23	
SMR	0.64	0.93	0.48	0.88	0.99	1.04	0.97	
CNTRL OBS	129	111	82	84	61	55	53	
SMR	0.75	0.76	0.67	0.87	0.77	0.79	0.83	

Age at death: 60 plus

Nine Mile Point 1/Fitzpatrick (1969)  
Oswego, NY

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
<b>COLON &amp; RECTUM</b>							
STUDY OBS	97	96	93	86	90	103	112
SMR	1.17	1.11	1.05	0.97	1.00	1.07	1.11
CNTRL OBS	275	276	282	313	288	310	337
SMR	1.13	1.09	1.09	1.21	1.11	1.16	1.25
<b>LIVER (PRIMARY)</b>							
STUDY OBS	19	20	25	12	5	6	8
SMR	0.77	0.86	1.12	0.72	0.57	0.70	0.82
CNTRL OBS	69	40	71	44	24	21	29
SMR	0.95	0.58	1.08	0.91	0.96	0.89	1.12
<b>TRACHEA, BRONCHUS, LUNG</b>							
STUDY OBS	29	44	58	93	113	163	193
SMR	0.72	0.79	0.81	1.03	1.00	1.12	1.05
CNTRL OBS	111	151	191	261	310	429	531
SMR	0.94	0.92	0.91	1.00	0.97	1.09	1.11
<b>BREAST (FEMALE)</b>							
STUDY OBS	34	36	38	47	37	52	51
SMR	1.04	1.04	1.07	1.25	0.91	1.12	0.96
CNTRL OBS	107	117	112	139	112	144	141
SMR	1.11	1.14	1.06	1.25	0.95	1.14	1.00
<b>THYROID</b>							
STUDY OBS	1	0	1	3	3	2	3
SMR	0.49	0.00	0.49	1.61	1.65	1.12	1.77
CNTRL OBS	7	10	2	5	5	1	2
SMR	1.15	1.55	0.33	0.91	0.95	0.20	0.44
<b>BONES &amp; JOINTS</b>							
STUDY OBS	2	7	5	5	3	3	2
SMR	0.55	2.26	1.99	2.13	1.33	1.55	1.76
CNTRL OBS	10	7	3	7	5	7	6
SMR	0.93	0.77	0.41	1.02	0.77	1.31	1.98
<b>BLADDER</b>							
STUDY OBS	16	17	31	19	24	24	30
SMR	0.88	0.90	1.64	1.00	1.26	1.21	1.51
CNTRL OBS	73	75	67	72	66	73	65
SMR	1.37	1.36	1.21	1.31	1.20	1.32	1.20
<b>BRAIN &amp; OTHER C.N.S.</b>							
STUDY OBS	4	3	1	4	12	11	15
SMR	1.21	0.72	0.20	0.66	1.29	0.92	1.09
CNTRL OBS	8	10	14	7	16	23	29
SMR	0.82	0.81	0.93	0.40	0.61	0.72	0.81
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>							
STUDY OBS	0	0	0	0	7	8	3
SMR	0.00	0.00	0.00	0.00	1.09	1.30	1.31
CNTRL OBS	0	0	0	0	28	19	4
SMR	0.00	0.00	0.00	0.00	1.51	1.12	0.65

Age at death: all

Nine Mile Point 1/Fitzpatrick (1969)  
Oswego, NY

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	21	32	35	36	.32	35	42	
SMR	0.75	1.00	1.02	1.00	0.89	0.95	1.09	
CNTRL OBS	71	82	84	99	105	99	95	
SMR	0.88	0.91	0.87	1.01	1.11	1.05	0.98	
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	578	650	621	705	779	930	947	
SMR	0.93	1.00	0.92	0.99	1.03	1.12	1.04	
CNTRL OBS	1795	1838	1842	2092	2095	2340	2473	
SMR	0.98	0.97	0.95	1.04	1.01	1.07	1.06	
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	6	10	4	8	8	4	8	
SMR	0.83	1.29	0.50	0.96	1.05	0.72	1.70	
CNTRL OBS	19	21	30	21	30	16	11	
SMR	0.91	0.96	1.37	0.96	1.57	1.20	1.01	
<b>OTHER LYMPHOMA</b>								
STUDY OBS	8	18	18	24	20	30	34	
SMR	0.59	1.08	0.93	1.07	0.82	1.13	1.07	
CNTRL OBS	43	51	48	64	60	69	80	
SMR	1.09	1.06	0.87	1.03	0.91	1.00	0.99	
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	2	9	7	8	12	10	13	
SMR	0.46	1.43	0.93	0.92	1.15	0.80	0.91	
CNTRL OBS	10	20	22	30	23	30	42	
SMR	0.78	1.08	1.01	1.21	0.79	0.89	1.12	
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	250	245	212	227	235	276	267	
SMR	0.99	0.99	0.88	0.97	1.04	1.18	1.10	
CNTRL OBS	696	670	658	707	684	693	715	
SMR	0.93	0.92	0.94	1.06	1.08	1.10	1.13	
<b>STOMACH</b>								
STUDY OBS	42	51	27	38	30	34	26	
SMR	0.60	0.86	0.55	0.94	0.88	1.10	0.89	
CNTRL OBS	163	141	99	99	71	70	70	
SMR	0.79	0.81	0.69	0.86	0.74	0.84	0.91	

Age at death: all

Nine Mile Point 1/Fitzpatrick (1969)  
Oswego, NY

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
COLON & RECTUM							
STUDY OBS	138	119	113	114	118	130	149
SMR	1.32	1.11	1.04	1.04	1.06	1.11	1.24
CNTRL OBS	342	340	339	383	361	376	385
SMR	1.11	1.08	1.08	1.22	1.16	1.19	1.22
LIVER (PRIMARY)							
STUDY OBS	25	30	29	17	7	10	9
SMR	0.81	1.04	1.06	0.82	0.61	0.89	0.72
CNTRL OBS	85	47	88	53	30	33	36
SMR	0.93	0.56	1.11	0.89	0.94	1.11	1.12
TRACHEA, BRONCHUS, LUNG							
STUDY OBS	51	66	94	134	180	243	254
SMR	0.81	0.81	0.91	1.01	1.08	1.18	1.03
CNTRL OBS	189	222	272	387	436	597	696
SMR	1.03	0.92	0.91	1.04	0.96	1.11	1.12
BREAST (FEMALE)							
STUDY OBS	59	60	68	78	71	89	79
SMR	1.07	1.03	1.12	1.18	1.00	1.16	0.96
CNTRL OBS	177	187	188	208	183	220	216
SMR	1.09	1.10	1.08	1.13	0.95	1.10	1.03
THYROID							
STUDY OBS	2	0	2	3	3	5	3
SMR	0.71	0.00	0.76	1.24	1.27	2.19	1.41
CNTRL OBS	9	10	4	7	5	3	4
SMR	1.09	1.19	0.52	1.01	0.76	0.49	0.72
BONES & JOINTS							
STUDY OBS	5	8	6	6	3	4	2
SMR	0.83	1.51	1.32	1.34	0.67	1.02	0.74
CNTRL OBS	16	12	5	9	11	8	8
SMR	0.92	0.79	0.40	0.75	0.96	0.84	1.29
BLADDER							
STUDY OBS	18	22	36	26	26	28	31
SMR	0.85	1.03	1.69	1.22	1.20	1.26	1.42
CNTRL OBS	79	86	71	78	72	78	69
SMR	1.27	1.37	1.14	1.27	1.18	1.28	1.17
BRAIN & OTHER C.N.S.							
STUDY OBS	19	16	10	7	18	25	26
SMR	1.48	1.10	0.62	0.42	0.83	1.07	1.05
CNTRL OBS	31	29	41	31	51	53	48
SMR	0.84	0.71	0.92	0.70	0.92	0.92	0.80
BENIGN & UNSPEC NEOPLASMS							
STUDY OBS	0	0	0	0	10	13	3
SMR	0.00	0.00	0.00	0.00	0.89	1.37	0.95
CNTRL OBS	0	0	0	0	41	28	5
SMR	0.00	0.00	0.00	0.00	1.36	1.14	0.62



Table 2-B.15

Age at death: under 10	Oyster Creek 1 (1969) Ocean, NJ						
	YEARS BEFORE STARTUP			YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
LEUKEMIA & ALEUKEMIA							
STUDY OBS	3	6	4	4		6	1
SMR	1.02	1.37	0.69	0.61		0.93	0.25
CNTRL OBS	12	23	32	29		22	6
SMR	0.65	0.91	1.13	1.17		1.15	0.66
ALL CANCER, EXCL LEUK							
STUDY OBS	2	6	12	5		9	5
SMR	0.65	1.31	2.07	0.76		1.29	0.92
CNTRL OBS	18	25	23	23		15	8
SMR	0.94	0.96	0.82	0.93		0.74	0.53
HODGKIN'S DISEASE							
STUDY OBS	0	0	0	0		0	0
SMR	0.00	0.00	0.00	0.00		0.00	0.00
CNTRL OBS	0	0	0	1		1	0
SMR	0.00	0.00	0.00	3.02		3.70	0.00
OTHER LYMPHOMA							
STUDY OBS	0	0	2	0		2	0
SMR	0.00	0.00	2.45	0.00		2.38	0.00
CNTRL OBS	1	5	4	3		4	0
SMR	0.37	1.33	1.01	0.94		1.61	0.60
MULTIPLE MYELOMA							
STUDY OBS	0	0	0	0		0	0
SMR	0.00	0.00	0.00	0.00		0.00	0.00
CNTRL OBS	0	0	0	0		0	0
SMR	0.00	0.00	0.00	0.00		0.00	0.00
DIGESTIVE ORGANS							
STUDY OBS	0	0	1	0		3	1
SMR	0.00	0.00	3.36	0.00		8.94	3.25
CNTRL OBS	0	0	0	1		0	0
SMR	0.00	0.00	0.00	0.90		0.00	0.00
STOMACH							
STUDY OBS	0	0	0	0		0	0
SMR	0.00	0.00	0.00	0.00		0.00	0.00
CNTRL OBS	0	0	0	0		0	0
SMR	0.00	0.00	0.00	0.00		0.00	0.00

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
COLON & RECTUM							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)							
STUDY OBS	0	0	1	0	1	1	0
SMR	0.00	0.00	5.12	0.00	4.04	4.16	0.00
CNTRL OBS	0	0	0	1	0	0	0
SMR	0.00	0.00	0.00	1.41	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	1	0	0	0
SMR	0.00	0.00	0.00	5.43	0.00	0.00	0.00
BREAST (FEMALE)							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS							
STUDY OBS	0	0	0	0	0	1	0
SMR	0.00	0.00	0.00	0.00	0.00	4.33	0.00
CNTRL OBS	0	2	0	1	0	1	0
SMR	0.00	2.09	0.00	1.03	0.00	1.78	0.00
BLADDER							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.							
STUDY OBS	0	4	5	2	2	2	2
SMR	0.00	2.14	1.98	0.78	0.78	0.87	0.86
CNTRL OBS	11	5	6	11	9	6	3
SMR	1.48	0.47	0.49	1.15	1.20	1.09	0.57
BENIGN & UNSPEC NEOPLASMS							
STUDY OBS	0	0	0	0	2	1	0
SMR	0.00	0.00	0.00	0.00	1.74	1.16	0.00
CNTRL OBS	0	0	0	0	5	3	1
SMR	0.00	0.00	0.00	0.00	1.51	1.47	1.58



Age at death: 10 to 19

Oyster Creek 1 (1969)  
Ocean, NJ

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
<b>COLON &amp; RECTUM</b>							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	2.75	0.00	0.00
<b>LIVER (PRIMARY)</b>							
STUDY OBS	0	0	0	0	1	1	0
SMR	0.00	0.00	0.00	0.00	8.70	5.90	0.00
CNTRL OBS	1	1	0	0	0	0	1
SMR	5.90	3.58	0.00	0.00	0.00	0.00	2.30
<b>TRACHEA, BRONCHUS, LUNG</b>							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	1	0
SMR	0.00	0.00	0.00	0.00	0.00	4.61	0.00
<b>BREAST (FEMALE)</b>							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>THYROID</b>							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BONES &amp; JOINTS</b>							
STUDY OBS	1	0	0	0	0	0	0
SMR	2.68	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	1	3	3	3	4	5	2
SMR	0.39	0.90	0.75	0.60	0.75	1.20	0.58
<b>BLADDER</b>							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>							
STUDY OBS	1	1	0	0	1	1	5
SMR	2.11	1.31	0.00	0.00	0.48	0.47	2.74
CNTRL OBS	1	6	7	2	8	6	5
SMR	0.31	1.33	1.20	0.32	1.12	0.98	1.02
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	3	4	0
SMR	0.00	0.00	0.00	0.00	1.07	2.28	0.00

Age at death: 20 to 39

Oyster Creek 1 (1969)  
Ocean, NJ

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
LEUKEMIA & ALEUKEMIA								
STUDY OBS	3	3	2	5		7	12	
SMR	1.43	1.07	0.58	1.16	1.03	0.93	1.39	
CNTRL OBS	13	15	24	11	13	19	25	
SMR	0.93	0.91	1.40	0.64	0.70	0.92	1.09	
ALL CANCER, EXCL LEUK								
STUDY OBS	13	25	43	40	39	58	92	
SMR	0.68	1.01	1.38	1.05	0.81	0.98	1.35	
CNTRL OBS	116	162	132	141	149	154	183	
SMR	0.91	1.08	0.82	0.92	0.98	0.99	1.04	
HODGKIN'S DISEASE								
STUDY OBS	1	2	1	3	3	8	9	
SMR	0.61	0.90	0.33	0.79	0.67	1.96	2.36	
CNTRL OBS	8	11	7	18	12	15	10	
SMR	0.73	0.84	0.47	1.18	0.85	1.35	0.99	
OTHER LYMPHOMA								
STUDY OBS	0	0	3	3	2	2	8	
SMR	0.00	0.00	1.66	1.33	0.67	0.53	1.70	
CNTRL OBS	8	7	11	3	7	14	9	
SMR	1.21	0.90	1.21	0.33	0.74	1.37	0.73	
MULTIPLE MYELOMA								
STUDY OBS	0	0	0	1	0	0	1	
SMR	0.00	0.00	0.00	6.12	0.00	0.00	3.34	
CNTRL OBS	1	1	2	0	0	2	0	
SMR	1.93	1.41	2.93	0.00	0.00	3.03	0.00	
DIGESTIVE ORGANS								
STUDY OBS	0	11	8	6	7	8	12	
SMR	0.00	2.49	1.59	1.04	0.99	0.93	1.25	
CNTRL OBS	28	30	24	19	19	24	22	
SMR	1.14	1.12	0.92	0.82	0.86	1.07	0.89	
STOMACH								
STUDY OBS	0	4	1	1	1	1	3	
SMR	0.00	4.18	0.97	0.97	0.82	0.73	1.91	
CNTRL OBS	9	5	5	3	3	4	0	
SMR	1.60	0.86	0.94	0.73	0.80	1.13	0.00	

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM								
STUDY OBS	0	1	5	3		4	5	
SMR	0.00	0.45	2.03	1.05		0.58	1.08	
CNTRL OBS	13	12	12	9		13	15	
SMR	1.05	0.89	0.94	0.78		0.74	1.26	
LIVER (PRIMARY)								
STUDY OBS	0	4	0	0		1	1	
SMR	0.00	9.10	0.00	0.00		1.62	0.96	
CNTRL OBS	2	5	3	1		4	2	
SMR	0.80	1.92	1.20	0.44		2.06	0.74	
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	0	1	4	3		8	9	
SMR	0.00	0.59	1.59	0.86		1.67	1.42	
CNTRL OBS	5	11	11	15		13	15	
SMR	0.71	1.06	0.83	1.06		0.87	0.92	
BREAST (FEMALE)								
STUDY OBS	2	2	9	8		7	14	
SMR	0.79	0.59	2.08	1.53		1.01	1.21	
CNTRL OBS	16	29	13	19		24	29	
SMR	0.93	1.36	0.56	0.88		1.11	0.99	
THYROID								
STUDY OBS	0	0	0	0		1	0	
SMR	0.00	0.00	0.00	0.00		7.15	0.00	
CNTRL OBS	0	0	0	0		1	0	
SMR	0.00	0.00	0.00	0.00		2.26	0.00	
BONES & JOINTS								
STUDY OBS	0	1	0	2		0	3	
SMR	0.00	2.15	0.00	3.25		0.00	2.45	
CNTRL OBS	2	5	1	4		3	3	
SMR	0.78	1.91	0.39	1.62		1.01	0.87	
BLADDER								
STUDY OBS	0	0	1	1		0	1	
SMR	0.00	0.00	8.18	7.59		0.00	4.24	
CNTRL OBS	2	1	0	1		2	1	
SMR	2.81	1.62	0.00	1.86		3.86	1.66	
BRAIN & OTHER C.N.S.								
STUDY OBS	2	1	1	3		3	12	
SMR	1.21	0.45	0.35	0.95		0.63	1.82	
CNTRL OBS	8	13	12	14		15	14	
SMR	0.72	0.97	0.83	1.10		0.99	0.81	
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0		2	3	
SMR	0.00	0.00	0.00	0.00		1.03	5.46	
CNTRL OBS	0	0	0	0		9	0	
SMR	0.00	0.00	0.00	0.00		1.48	0.00	



Age at death: 40 to 59

Oyster Creek 1 (1969)  
Ocean, NJ

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	10	9	8	12	16	18	17	
SMR	1.84	1.33	0.93	1.07	1.16	1.10	0.96	
CNTRL OBS	29	34	38	46	51	63	47	
SMR	0.96	0.98	0.96	1.02	1.06	1.27	0.95	
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	143	190	302	381	538	579	721	
SMR	1.00	1.05	1.27	1.15	1.20	1.07	1.24	
CNTRL OBS	819	933	1097	1296	1525	1535	1605	
SMR	1.04	1.03	1.03	0.99	1.00	0.95	1.00	
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	3	1	4	7	4	5	5	
SMR	1.45	0.37	1.17	1.53	0.83	1.35	1.63	
CNTRL OBS	14	11	10	22	20	11	4	
SMR	1.21	0.77	0.61	1.16	1.16	0.97	0.46	
<b>OTHER LYMPHOMA</b>								
STUDY OBS	2	4	10	12	6	12	18	
SMR	0.53	0.75	1.32	1.08	0.42	0.73	0.96	
CNTRL OBS	18	29	39	37	42	48	57	
SMR	0.86	1.07	1.12	0.83	0.85	0.97	1.09	
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	0	1	3	8	6	11	
SMR	0.00	0.00	0.35	0.87	1.56	0.91	1.53	
CNTRL OBS	10	9	11	15	15	18	19	
SMR	1.40	0.90	0.89	1.12	0.86	0.91	0.96	
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	55	61	98	106	121	120	142	
SMR	1.20	1.16	1.53	1.29	1.19	1.03	1.18	
CNTRL OBS	291	301	314	337	359	355	353	
SMR	1.17	1.16	1.11	1.06	1.04	1.02	1.06	
<b>STOMACH</b>								
STUDY OBS	16	10	20	18	11	10	11	
SMR	1.43	0.91	1.74	1.41	0.76	0.66	0.73	
CNTRL OBS	59	71	63	54	47	37	36	
SMR	0.98	1.31	1.23	1.08	0.94	0.81	0.86	

Age at death: 40 to 59

Oyster Creek 1 (1969)  
Ocean, NJ

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
COLON & RECTUM							
STUDY OBS	26	27	43	60	64	63	74
SMR	1.36	1.20	1.54	1.63	1.37	1.16	1.36
CNTRL OBS	145	133	145	178	186	186	175
SMR	1.39	1.19	1.17	1.25	1.18	1.15	1.17
LIVER (PRIMARY)							
STUDY OBS	4	10	9	8	5	5	9
SMR	0.70	1.67	1.28	1.10	0.90	0.82	1.31
CNTRL OBS	31	24	32	26	11	15	15
SMR	1.00	0.82	1.05	0.93	0.58	0.83	0.79
TRACHEA, BRONCHUS, LUNG							
STUDY OBS	25	27	47	94	139	189	229
SMR	1.28	0.91	1.03	1.28	1.20	1.20	1.25
CNTRL OBS	96	134	201	273	344	388	508
SMR	0.90	0.90	0.97	0.92	0.85	0.81	1.00
BREAST (FEMALE)							
STUDY OBS	23	19	47	49	91	78	97
SMR	1.21	0.76	1.37	0.98	1.37	0.99	1.18
CNTRL OBS	116	135	144	192	238	227	201
SMR	1.10	1.06	0.94	1.01	1.09	1.01	0.93
THYROID							
STUDY OBS	0	1	1	1	0	2	1
SMR	0.00	1.41	1.26	1.07	0.00	1.64	0.90
CNTRL OBS	4	7	10	6	6	1	3
SMR	1.17	1.99	2.87	1.67	1.65	0.28	0.98
BONES & JOINTS							
STUDY OBS	0	2	3	1	4	1	0
SMR	0.00	1.59	2.33	0.66	2.21	0.55	0.00
CNTRL OBS	5	8	4	5	6	3	0
SMR	0.77	1.26	0.69	0.83	0.96	0.55	0.00
BLADDER							
STUDY OBS	4	6	8	7	11	9	12
SMR	1.40	1.95	2.27	1.59	2.01	1.48	2.09
CNTRL OBS	19	22	22	22	33	17	17
SMR	1.24	1.47	1.43	1.28	1.75	0.92	1.05
BRAIN & OTHER C.N.S.							
STUDY OBS	5	12	12	9	16	16	22
SMR	0.98	1.76	1.30	0.77	0.89	0.82	1.08
CNTRL OBS	19	23	53	53	61	65	40
SMR	0.67	0.65	1.23	1.11	0.98	1.09	0.70
BENIGN & UNSPEC NEOPLASMS							
STUDY OBS	0	0	0	0	7	2	2
SMR	0.00	0.00	0.00	0.00	1.00	0.35	1.20
CNTRL OBS	0	0	0	0	27	13	2
SMR	0.00	0.00	0.00	0.00	1.12	0.76	0.44

Table 2-B.15

Age at death: 60 plus	Oyster Creek 1 (1969) Ocean, NJ						
	YEARS BEFORE STARTUP			YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
LEUKEMIA & ALEUKEMIA							
STUDY OBS	8	13	32	45		133	159
SMR	0.62	0.62	0.93	0.80	0.94	1.07	0.96
CNTRL OBS	63	83	94	110	109	170	214
SMR	1.03	0.99	0.90	0.88	0.78	1.04	1.07
ALL CANCER, EXCL LEUK							
STUDY OBS	443	644	896	1395	2290	3725	4790
SMR	1.13	1.16	1.06	1.01	1.04	1.13	1.09
CNTRL OBS	1992	2495	2751	3209	3754	4630	5751
SMR	1.06	1.11	1.06	1.06	1.05	1.07	1.07
HODGKIN'S DISEASE							
STUDY OBS	4	3	3	3	5	14	15
SMR	1.57	0.80	0.53	0.34	0.41	1.14	1.20
CNTRL OBS	9	11	21	19	22	13	22
SMR	0.74	0.74	1.25	1.00	1.12	0.81	1.43
OTHER LYMPHOMA							
STUDY OBS	5	4	17	30	53	102	123
SMR	0.73	0.33	0.80	0.78	0.82	1.04	0.84
CNTRL OBS	32	36	59	67	104	104	157
SMR	0.98	0.75	0.92	0.80	1.00	0.80	0.88
MULTIPLE MYELOMA							
STUDY OBS	2	9	4	12	26	50	73
SMR	0.74	1.58	0.39	0.64	0.76	0.91	0.95
CNTRL OBS	17	15	36	41	52	83	100
SMR	1.32	0.66	1.17	1.00	0.94	1.14	1.07
DIGESTIVE ORGANS							
STUDY OBS	197	270	356	531	794	1209	1501
SMR	1.12	1.16	1.07	1.07	1.10	1.20	1.19
CNTRL OBS	923	1080	1109	1207	1308	1455	1713
SMR	1.09	1.15	1.08	1.09	1.10	1.08	1.11
STOMACH							
STUDY OBS	49	65	67	91	109	172	190
SMR	0.97	1.13	0.95	1.04	1.00	1.28	1.25
CNTRL OBS	234	267	255	209	192	210	192
SMR	0.97	1.15	1.18	1.07	1.06	1.17	1.03

Age at death: 60 plus

Oyster Creek 1 (1969)  
Ocean, NJ

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
COLON & RECTUM							
	STUDY OBS	119	168	267	425	659	774
	SMR	1.20	1.13	1.15	1.20	1.29	1.22
CNTRL	OBS	478	498	575	674	760	874
	SMR	1.18	1.08	1.10	1.14	1.12	1.13
LIVER (PRIMARY)							
	STUDY OBS	33	45	63	42	60	63
	SMR	1.21	1.17	1.42	1.18	1.28	1.01
CNTRL	OBS	130	122	111	73	63	99
	SMR	1.17	1.03	1.12	1.25	1.02	1.30
TRACHEA, BRONCHUS, LUNG							
	STUDY OBS	100	159	298	555	977	1314
	SMR	1.44	1.20	1.14	1.13	1.20	1.12
CNTRL	OBS	328	431	530	777	1108	1427
	SMR	1.21	1.12	0.97	1.03	1.06	1.00
BREAST (FEMALE)							
	STUDY OBS	46	76	97	169	278	372
	SMR	1.15	1.25	0.98	1.05	1.15	1.13
CNTRL	OBS	190	188	223	267	369	448
	SMR	1.13	0.96	0.96	0.96	1.10	1.07
THYROID							
	STUDY OBS	1	8	1	4	4	10
	SMR	0.55	2.27	0.20	0.56	0.43	0.94
CNTRL	OBS	9	12	16	9	15	15
	SMR	1.03	1.09	1.44	0.74	1.18	1.14
BONES & JOINTS							
	STUDY OBS	2	8	18	12	16	1
	SMR	1.10	1.83	2.86	1.32	1.54	0.14
CNTRL	OBS	14	18	14	10	14	7
	SMR	0.96	1.35	1.01	0.67	1.02	0.79
BLADDER							
	STUDY OBS	27	53	68	89	132	135
	SMR	1.73	1.66	1.38	1.17	1.23	1.05
CNTRL	OBS	107	128	137	139	160	195
	SMR	1.44	1.32	1.26	1.13	1.16	1.29
BRAIN & OTHER C.N.S.							
	STUDY OBS	2	9	11	32	55	113
	SMR	0.65	0.93	0.62	0.80	0.84	1.30
CNTRL	OBS	18	35	32	52	70	117
	SMR	1.20	1.22	0.86	0.82	0.81	1.08
BENIGN & UNSPEC NEOPLASMS							
	STUDY OBS	0	0	0	26	26	14
	SMR	0.00	0.00	0.00	1.00	0.80	0.96
CNTRL	OBS	0	0	0	39	40	16
	SMR	0.00	0.00	0.00	0.91	0.91	0.89

Age at death: all

Oyster Creek 1 (1969)  
Ocean, NJ

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	26	35	50	71	115	163	193	
SMR	1.07	0.96	0.92	0.87	0.99	1.03	0.97	
CNTRL OBS	127	160	201	210	204	279	307	
SMR	0.97	0.94	1.00	0.93	0.85	1.08	1.05	
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	604	866	1256	1824	2880	4374	5617	
SMR	1.08	1.13	1.11	1.04	1.07	1.12	1.11	
CNTRL OBS	2957	3638	4028	4691	5470	6349	7564	
SMR	1.04	1.09	1.04	1.03	1.03	1.03	1.05	
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	8	6	9	13	12	27	29	
SMR	1.22	0.66	0.71	0.72	0.54	1.31	1.46	
CNTRL OBS	33	40	41	61	59	43	38	
SMR	0.90	0.90	0.80	1.08	1.10	1.07	1.07	
<b>OTHER LYMPHOMA</b>								
STUDY OBS	8	8	34	47	63	117	150	
SMR	0.65	0.40	1.06	0.88	0.75	0.97	0.87	
CNTRL OBS	59	79	121	112	160	171	227	
SMR	0.91	0.88	1.05	0.77	0.94	0.88	0.92	
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	2	9	5	16	34	56	85	
SMR	0.49	1.15	0.38	0.71	0.86	0.90	1.01	
CNTRL OBS	28	25	49	56	67	103	119	
SMR	1.36	0.75	1.12	1.02	0.92	1.11	1.04	
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	252	342	463	643	926	1339	1655	
SMR	1.12	1.18	1.15	1.10	1.12	1.18	1.19	
CNTRL OBS	1243	1412	1447	1566	1687	1834	2089	
SMR	1.11	1.15	1.08	1.08	1.08	1.07	1.09	
<b>STOMACH</b>								
STUDY OBS	65	79	88	110	121	183	204	
SMR	1.04	1.14	1.06	1.09	0.97	1.22	1.21	
CNTRL OBS	302	343	323	266	242	251	228	
SMR	0.98	1.17	1.18	1.07	1.03	1.10	0.98	

Age at death: all

Oyster Creek 1 (1969)  
Ocean, NJ

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM								
STUDY OBS	115	147	216	330	491	726	853	
SMR	1.25	1.19	1.20	1.21	1.21	1.28	1.23	
CNTRL OBS	568	623	655	762	869	959	1064	
SMR	1.23	1.18	1.09	1.13	1.15	1.13	1.14	
LIVER (PRIMARY)								
STUDY OBS	23	47	55	71	50	67	73	
SMR	0.83	1.38	1.19	1.35	1.19	1.24	1.04	
CNTRL OBS	143	160	157	139	88	80	117	
SMR	1.04	1.11	1.03	1.07	1.10	0.96	1.18	
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	80	128	210	395	702	1173	1552	
SMR	1.39	1.27	1.16	1.16	1.15	1.20	1.14	
CNTRL OBS	287	473	643	819	1134	1509	1950	
SMR	0.99	1.10	1.06	0.96	0.96	0.98	0.99	
BREAST (FEMALE)								
STUDY OBS	57	67	132	154	267	361	483	
SMR	1.14	0.98	1.33	1.00	1.14	1.09	1.14	
CNTRL OBS	251	354	345	434	529	616	678	
SMR	0.96	1.12	0.93	0.98	1.02	1.06	1.02	
THYROID								
STUDY OBS	1	3	9	2	5	7	11	
SMR	0.40	0.90	2.03	0.34	0.60	0.65	0.93	
CNTRL OBS	13	15	22	22	16	16	18	
SMR	1.03	1.03	1.46	1.44	0.99	0.96	1.08	
BONES & JOINTS								
STUDY OBS	3	7	11	21	16	19	4	
SMR	0.57	1.15	1.54	2.13	1.18	1.27	0.36	
CNTRL OBS	24	32	26	27	23	25	12	
SMR	0.87	1.15	0.98	0.95	0.76	0.92	0.62	
BLADDER								
STUDY OBS	31	46	62	76	100	141	148	
SMR	1.67	1.85	1.74	1.41	1.22	1.24	1.10	
CNTRL OBS	128	137	150	160	174	177	213	
SMR	1.41	1.34	1.32	1.26	1.22	1.12	1.27	
BRAIN & OTHER C.N.S.								
STUDY OBS	10	23	27	25	54	79	154	
SMR	0.87	1.35	1.06	0.68	0.80	0.83	1.30	
CNTRL OBS	57	63	113	112	145	161	179	
SMR	0.87	0.74	1.08	0.99	0.93	0.93	0.93	
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	37	30	19	
SMR	0.00	0.00	0.00	0.00	1.00	0.72	1.11	
CNTRL OBS	0	0	0	0	83	66	19	
SMR	0.00	0.00	0.00	0.00	1.05	0.95	0.77	



Table 2-C.1 (MORT)

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA								
	STUDY OBS	0		14	4	11	2	4
	SMR	0.00	0.98	0.93	1.55	0.49	1.83	1.92
	CNTRL OBS	3	33	38	30	34	8	8
	SMR	0.52	1.06	1.10	0.87	1.14	0.83	0.99
ALL CANCER, EXCL LEUK								
	STUDY OBS	2	5	6	8	12	3	4
	SMR	1.55	0.67	0.67	0.88	1.44	0.90	1.15
	CNTRL OBS	6	35	29	32	33	12	8
	SMR	1.00	1.08	0.82	0.94	1.10	0.68	0.60
HODGKIN'S DISEASE								
	STUDY OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	1	0	1	0	0
	SMR	0.00	0.00	1.82	0.00	2.54	0.00	0.00
OTHER LYMPHOMA								
	STUDY OBS	0	1	1	0	1	0	0
	SMR	0.00	0.96	0.78	0.00	0.94	0.00	0.00
	CNTRL OBS	0	7	2	3	2	1	1
	SMR	0.00	1.54	0.39	0.63	0.52	1.42	0.82
MULTIPLE MYELOMA								
	STUDY OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS								
	STUDY OBS	0	2	0	0	0	1	0
	SMR	0.00	4.63	0.00	0.00	0.00	3.15	0.00
	CNTRL OBS	0	0	2	1	0	0	0
	SMR	0.00	0.00	1.10	0.59	0.00	0.00	0.00
STOMACH								
	STUDY OBS	0	0	0	0	0	1	0
	SMR	0.00	0.00	0.00	0.00	0.00	160.51	0.00
	CNTRL OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Age at death: under 10

Millstone 1,2,3 (1970)  
New London, CT

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP			
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84	
<b>COLON &amp; RECTUM</b>									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>LIVER (PRIMARY)</b>									
STUDY OBS	0	1	0	0	0	0	0	0	
SMR	0.00	4.63	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	1	0	0	0	0	0	
SMR	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00	
<b>TRACHEA, BRONCHUS, LUNG</b>									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	1	0	0	0	0	0	
SMR	0.00	0.00	3.34	0.00	0.00	0.00	0.00	0.00	
<b>BREAST (FEMALE)</b>									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>THYROID</b>									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>BONES &amp; JOINTS</b>									
STUDY OBS	0	0	1	2	1	0	0	1	
SMR	0.00	0.00	3.21	6.64	3.17	0.00	0.00	10.18	
CNTRL OBS	2	0	2	1	0	0	0	1	
SMR	8.61	0.00	1.57	0.86	0.00	0.00	0.00	2.54	
<b>BLADDER</b>									
STUDY OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>BRAIN &amp; OTHER C.N.S.</b>									
STUDY OBS	2	0	2	3	4	2	3	1	
SMR	4.01	0.00	0.54	0.77	1.25	0.82	1.77	0.82	
CNTRL OBS	1	16	7	20	15	7	6	1	
SMR	0.43	1.26	0.47	1.37	1.30	0.82	0.96	0.21	
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>									
STUDY OBS	0	0	0	0	0	0	3	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	5.39	0.00	
CNTRL OBS	0	0	0	0	2	3	1	0	
SMR	0.00	0.00	0.00	0.00	2.34	0.81	0.51	0.00	



Age at death: 10 to 19

Millstone 1,2,3 (1970)  
New London, CT

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM								
	STUDY OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	1	1	0	0	0	0
LIVER (PRIMARY)								
	SMR	0.00	1.46	2.24	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	1	0	0	0	1	2	0	0
	SMR	19.46	0.00	0.00	1.70	3.96	0.00	0.00
TRACHEA, BRONCHUS, LUNG								
	STUDY OBS	0	0	0	0	1	0	0
	SMR	0.00	0.00	0.00	0.00	10.94	0.00	0.00
	CNTRL OBS	0	1	0	1	0	0	0
BREAST (FEMALE)								
	SMR	0.00	2.66	0.00	2.95	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID								
	STUDY OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	1	0	0	0	0	0
BONES & JOINTS								
	SMR	0.00	14.26	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	1	2	0	3	3	1
	SMR	0.00	1.01	1.69	0.00	1.87	2.36	1.20
CNTRL OBS	0	6	4	5	6	2	6	3
	SMR	0.00	1.38	0.81	0.90	0.32	1.27	0.95
BLADDER								
	STUDY OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	1	0	0	0	0	0
BRAIN & OTHER C.N.S.								
	SMR	0.00	36.55	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	2	1	4	2
	SMR	0.00	0.00	0.00	1.06	0.50	2.19	1.73
CNTRL OBS	0	3	1	7	3	13	3	3
	SMR	0.00	0.54	0.15	0.90	1.55	0.44	0.68
BENIGN & UNSPEC NEOPLASMS								
	STUDY OBS	0	0	0	0	0	2	0
	SMR	0.00	0.00	0.00	0.00	0.00	4.43	0.00
	CNTRL OBS	0	0	0	0	5	1	0
CNTRL SMR								
	0.00	0.00	0.00	0.00	1.53	1.60	0.60	0.00

Millstone 1,2,3 (1970)  
New London, CT

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	0	5	2	5	3	10	13	3
SMR	0.00	0.93	0.34	0.82	0.46	1.42	1.78	0.50
CNTRL OBS	5	22	10	13	17	23	29	22
SMR	1.05	0.95	0.45	0.61	0.78	0.99	1.15	1.04
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	7	41	45	48	54	44	47	46
SMR	0.77	0.86	0.90	0.92	1.03	0.83	0.90	1.05
CNTRL OBS	45	190	205	177	177	173	191	131
SMR	1.05	0.91	1.04	0.93	0.97	0.95	1.03	0.83
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	5	3	7	5	5	4	2
SMR	0.00	1.17	0.63	1.31	0.89	0.99	1.06	0.75
CNTRL OBS	9	19	26	25	27	13	18	10
SMR	2.40	1.04	1.45	1.33	1.42	0.77	1.38	1.06
<b>OTHER LYMPHOMA</b>								
STUDY OBS	0	1	1	5	2	1	6	2
SMR	0.00	0.39	0.36	1.58	0.60	0.28	1.65	0.62
CNTRL OBS	3	10	15	15	13	7	10	14
SMR	1.34	0.92	1.41	1.34	1.15	0.60	0.80	1.24
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	0	0	0	0	0	1	1
SMR	0.00	0.00	0.00	0.00	0.00	0.00	4.52	5.23
CNTRL OBS	1	1	1	0	1	1	1	1
SMR	5.88	1.16	1.12	0.00	1.36	1.52	1.30	1.49
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	1	5	6	4	3	6	2	6
SMR	0.58	0.56	0.69	0.48	0.38	0.78	0.27	0.96
CNTRL OBS	13	43	37	30	21	24	17	12
SMR	1.59	1.09	1.08	1.00	0.78	0.93	0.65	0.55
<b>STOMACH</b>								
STUDY OBS	0	3	2	1	0	2	0	1
SMR	0.00	1.49	1.07	0.61	0.00	1.57	0.00	0.99
CNTRL OBS	3	18	5	6	1	2	1	3
SMR	1.63	2.04	0.69	1.02	0.21	0.47	0.24	0.85

Age at death: 20 to 39

Millstone 1,2,3 (1970)  
New London, CT

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP											
		1950-50		1951-55		1956-60		1961-65		1966-70		1971-75		1976-80		1981-84	
COLON & RECTUM	STUDY		1		1		3		1		2		1		2		3
	OBS		1.15		0.22		0.69		0.25		0.52		0.27		0.54		1.01
	CNTRL		4		17		21		19		12		12		8		4
	SMR		0.97		0.85		1.21		1.27		0.89		0.93		0.61		0.38
LIVER (PRIMARY)	STUDY		0		0		1		1		1		2		0		2
	OBS		0.00		0.00		1.15		1.22		1.28		2.73		0.00		2.79
	CNTRL		2		4		5		2		2		6		4		2
	SMR		2.45		1.02		1.50		0.69		0.77		2.55		1.55		0.83
TRACHEA, BRONCHUS, LUNG	STUDY		0		4		3		1		3		3		6		4
	OBS		0.00		1.47		0.84		0.23		0.64		0.60		1.23		1.02
	CNTRL		2		6		13		14		9		16		17		12
	SMR		0.86		0.50		0.93		0.89		0.54		0.92		0.97		0.84
BREAST (FEMALE)	STUDY		3		6		10		10		6		6		6		9
	OBS		2.57		0.98		1.50		1.47		0.90		0.87		0.82		1.33
	CNTRL		4		29		34		18		26		26		25		24
	SMR		0.70		1.02		1.21		0.67		1.06		1.04		0.91		0.94
THYROID	STUDY		0		0		0		0		0		0		1		0
	OBS		0.00		0.00		0.00		0.00		0.00		0.00		7.95		0.00
	CNTRL		1		2		0		0		1		1		1		0
	SMR		6.91		2.81		0.00		0.00		1.68		1.93		2.21		0.00
BONES & JOINTS	STUDY		0		1		2		2		2		4		1		2
	OBS		0.00		1.00		2.05		2.05		1.92		3.32		0.80		2.04
	CNTRL		0		2		0		3		4		4		4		0
	SMR		0.00		0.48		0.00		0.91		1.19		1.04		0.98		0.00
BLADDER	STUDY		0		0		0		0		0		0		0		0
	OBS		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00
	CNTRL		0		2		1		2		0		0		1		1
	SMR		0.00		1.85		1.28		2.81		0.00		0.00		1.90		1.87
BRAIN & OTHER C.N.S.	STUDY		1		1		4		1		5		5		4		8
	OBS		1.24		0.24		0.87		0.21		1.07		0.92		0.77		1.82
	CNTRL		4		13		16		13		11		14		15		9
	SMR		1.06		0.70		0.89		0.75		0.68		0.76		0.81		0.57
BENIGN & UNSPEC NEOPLASMS	STUDY		0		0		0		0		0		3		2		1
	OBS		0.00		0.00		0.00		0.00		0.00		1.43		1.48		2.71
	CNTRL		0		0		0		0		3		5		4		1
	SMR		0.00		0.00		0.00		0.00		2.15		0.72		0.86		0.77



Table 2-C.1(MORT)

Age at death: 40 to 59		Millstone 1,2,3 (1970) New London, CT							
		YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	3	12	12	11	10		14	11
	SMR	1.38	1.06	1.00	0.86	0.74		1.03	1.01
CNTRL	OBS	7	55	58	48	53		44	36
	SMR	0.64	0.98	1.01	0.82	0.88		0.82	0.88
ALL CANCER, EXCL LEUK									
STUDY	OBS	58	286	327	365	380		485	362
	SMR	1.02	0.96	1.03	1.04	0.95		1.09	1.03
CNTRL	OBS	308	1403	1435	1541	1750		1710	1339
	SMR	1.07	0.96	0.95	0.95	0.98		0.98	1.02
HODGKIN'S DISEASE									
STUDY	OBS	0	4	3	5	6		7	1
	SMR	0.00	0.91	0.62	0.96	1.09		2.37	0.53
CNTRL	OBS	9	20	15	32	36		11	12
	SMR	2.16	0.92	0.65	1.35	1.50		0.95	1.67
OTHER LYMPHOMA									
STUDY	OBS	0	8	13	19	21		13	7
	SMR	0.00	0.99	1.36	1.66	1.56		0.95	0.62
CNTRL	OBS	9	34	51	48	57		56	43
	SMR	1.18	0.85	1.11	0.91	0.95		1.03	1.00
MULTIPLE MYELOMA									
STUDY	OBS	1	4	3	3	1		7	3
	SMR	1.92	1.41	0.84	0.75	0.24		1.27	0.68
CNTRL	OBS	1	17	19	14	19		17	11
	SMR	0.38	1.22	1.13	0.77	1.02		0.80	0.69
DIGESTIVE ORGANS									
STUDY	OBS	21	79	94	107	115		129	85
	SMR	1.16	0.86	1.05	1.16	1.18		1.34	1.15
CNTRL	OBS	88	464	416	420	424		380	289
	SMR	0.97	1.02	0.97	0.99	0.99		1.02	1.06
STOMACH									
STUDY	OBS	10	17	16	20	26		14	11
	SMR	2.29	0.78	0.88	1.23	1.73		1.12	1.17
CNTRL	OBS	26	109	93	68	78		58	37
	SMR	1.19	1.02	1.09	0.93	1.19		1.21	1.08

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	9	33	45	49	55	63	62	38
SMR	1.18	0.84	1.16	1.21	1.27	1.39	1.42	1.16
CNTRL OBS	40	215	195	178	197	218	178	130
SMR	1.04	1.11	1.04	0.95	1.01	1.14	1.03	1.06
<b>LIVER (PRIMARY)</b>								
STUDY OBS	0	9	12	10	7	3	3	4
SMR	0.00	0.79	1.19	1.04	0.88	0.55	0.58	0.93
CNTRL OBS	8	49	36	39	21	6	14	15
SMR	0.70	0.88	0.75	0.89	0.60	0.27	0.72	0.98
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	10	54	59	67	76	129	137	113
SMR	1.30	1.29	1.09	0.95	0.81	1.07	1.02	1.01
CNTRL OBS	38	192	220	288	389	440	461	381
SMR	0.97	0.92	0.86	0.89	0.93	0.88	0.88	0.91
<b>BREAST (FEMALE)</b>								
STUDY OBS	7	37	46	51	44	69	59	47
SMR	0.91	0.91	1.03	1.01	0.75	1.10	0.97	0.99
CNTRL OBS	59	214	208	235	308	239	256	192
SMR	1.51	1.06	0.96	1.00	1.18	0.90	1.05	1.07
<b>THYROID</b>								
STUDY OBS	0	1	1	1	2	1	3	3
SMR	0.00	0.78	0.83	0.89	1.86	0.96	3.10	4.46
CNTRL OBS	2	9	2	2	0	6	4	0
SMR	1.58	1.43	0.35	0.39	0.00	1.38	1.04	0.00
<b>BONES &amp; JOINTS</b>								
STUDY OBS	0	2	1	1	0	0	3	1
SMR	0.00	0.84	0.47	0.54	0.00	0.00	2.16	1.37
CNTRL OBS	4	19	6	9	3	5	6	2
SMR	1.68	1.62	0.60	1.06	0.38	0.69	1.11	0.74
<b>BLADDER</b>								
STUDY OBS	1	3	2	5	2	5	8	4
SMR	0.89	0.53	0.39	0.99	0.38	0.93	1.61	1.13
CNTRL OBS	9	27	20	21	24	25	23	18
SMR	1.59	0.97	0.82	0.91	1.03	1.10	1.17	1.36
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	1	11	9	11	10	13	19	10
SMR	0.49	1.01	0.73	0.80	0.67	0.74	1.18	0.81
CNTRL OBS	9	59	65	61	52	75	60	48
SMR	0.87	1.09	1.10	0.96	0.79	1.02	0.94	1.02
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	2	7	3	1
SMR	0.00	0.00	0.00	0.00	1.48	1.07	0.74	0.98
CNTRL OBS	0	0	0	0	6	24	21	4
SMR	0.00	0.00	0.00	0.00	1.04	0.89	1.33	1.08

Age at death: 60 plus

Millstone 1,2,3 (1970)  
New London, CT

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA	STUDY OBS	7	23	36	31	40	40	43	50
	SMR	1.48	0.88	1.09	0.80	0.92	0.87	0.84	1.07
	CNTRL OBS	22	103	161	147	183	227	227	193
	SMR	0.93	0.79	0.99	0.78	0.88	1.05	0.96	0.92
ALL CANCER, EXCL LEUK	STUDY OBS	165	829	976	1026	1147	1328	1564	1377
	SMR	1.13	1.06	1.12	1.08	1.09	1.14	1.16	1.11
	CNTRL OBS	762	3964	4620	4554	5044	5747	6260	5813
	SMR	1.05	1.02	1.08	0.99	1.01	1.05	1.02	1.05
HODGKIN'S DISEASE	STUDY OBS	2	2	4	6	1	8	4	3
	SMR	2.14	0.40	0.70	0.99	0.16	1.35	0.85	0.85
	CNTRL OBS	9	39	35	39	47	41	34	15
	SMR	1.91	1.56	1.25	1.33	1.55	1.47	1.57	0.95
OTHER LYMPHOMA	STUDY OBS	2	19	25	30	20	35	47	63
	SMR	0.80	1.35	1.31	1.25	0.68	1.03	1.14	1.53
	CNTRL OBS	12	81	87	115	112	144	166	196
	SMR	0.95	1.16	0.93	0.99	0.80	0.89	0.87	1.06
MULTIPLE MYELOMA	STUDY OBS	0	0	11	10	8	15	18	11
	SMR	0.00	0.00	1.23	0.87	0.55	0.82	0.79	0.51
	CNTRL OBS	4	44	51	50	67	78	113	80
	SMR	0.82	1.55	1.17	0.91	0.97	0.91	1.09	0.83
DIGESTIVE ORGANS	STUDY OBS	62	369	421	411	385	480	541	412
	SMR	0.94	1.06	1.16	1.10	1.01	1.25	1.30	1.14
	CNTRL OBS	365	1834	2021	1890	1965	2042	2016	1816
	SMR	1.12	1.06	1.14	1.04	1.09	1.13	1.06	1.13
STOMACH	STUDY OBS	11	90	89	68	78	65	68	47
	SMR	0.59	0.93	1.02	0.89	1.19	1.14	1.25	1.08
	CNTRL OBS	122	501	502	401	355	352	308	251
	SMR	1.31	1.05	1.19	1.09	1.15	1.32	1.25	1.31

Age at death: 60 plus

Millstone 1,2,3 (1970)  
New London, CT

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	30	157	185	220	186	270	292	215
SMR	1.11	1.09	1.17	1.29	1.02	1.40	1.39	1.19
CNTRL OBS	136	832	914	870	956	992	1020	939
SMR	1.02	1.17	1.18	1.05	1.10	1.09	1.05	1.15
<b>LIVER (PRIMARY)</b>								
STUDY OBS	8	41	44	43	18	15	16	17
SMR	0.98	0.96	1.03	1.04	0.58	0.81	0.83	0.96
CNTRL OBS	41	188	198	182	124	73	59	75
SMR	1.01	0.89	0.94	0.91	0.84	0.84	0.68	0.97
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	17	96	120	123	215	251	338	353
SMR	1.29	1.29	1.13	0.86	1.13	1.01	1.03	1.08
CNTRL OBS	46	337	499	625	853	1061	1293	1291
SMR	0.69	0.91	0.96	0.91	0.95	0.92	0.88	0.90
<b>BREAST (FEMALE)</b>								
STUDY OBS	17	54	80	84	106	125	133	98
SMR	1.50	0.88	1.18	1.14	1.29	1.35	1.25	1.00
CNTRL OBS	55	302	380	354	418	503	578	535
SMR	0.98	1.00	1.15	0.99	1.06	1.15	1.18	1.21
<b>THYROID</b>								
STUDY OBS	2	2	4	1	2	3	7	1
SMR	2.89	0.54	0.99	0.25	0.52	0.77	1.81	0.33
CNTRL OBS	1	17	22	11	11	16	21	9
SMR	0.29	0.93	1.11	0.57	0.60	0.87	1.17	0.65
<b>BONES &amp; JOINTS</b>								
STUDY OBS	1	7	8	2	2	2	4	1
SMR	0.85	1.15	1.47	0.42	0.42	0.43	1.04	0.49
CNTRL OBS	3	31	22	22	23	20	17	4
SMR	0.51	1.03	0.83	0.95	1.02	0.92	0.96	0.44
<b>BLADDER</b>								
STUDY OBS	5	19	46	47	47	41	43	42
SMR	0.87	0.62	1.37	1.32	1.24	1.03	1.01	1.19
CNTRL OBS	41	184	194	191	182	206	187	169
SMR	1.43	1.21	1.18	1.11	1.01	1.09	0.95	1.06
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	2	9	6	10	21	20	19	29
SMR	1.78	1.46	0.73	0.96	1.53	0.96	0.72	1.18
CNTRL OBS	5	31	43	39	61	106	116	110
SMR	0.88	1.00	1.07	0.77	0.94	1.09	0.96	1.01
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	3	15	19	2
SMR	0.00	0.00	0.00	0.00	1.13	1.10	1.62	0.48
CNTRL OBS	0	0	0	0	17	95	86	21
SMR	0.00	0.00	0.00	0.00	1.35	1.49	1.59	1.12

Age at death: all

Millstone 1,2,3 (1970)  
New London, CT

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	10	49	62	64	61	77	75	70
SMR	1.04	0.93	0.99	0.91	0.80	1.00	0.94	1.03
CNTRL OBS	37	219	281	257	307	331	326	265
SMR	0.78	0.87	0.97	0.81	0.91	0.98	0.95	0.91
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	232	1163	1359	1452	1600	1871	2105	1794
SMR	1.08	1.02	1.08	1.06	1.05	1.12	1.13	1.09
CNTRL OBS	1124	5613	6304	6330	7039	7747	8190	7305
SMR	1.05	1.00	1.05	0.98	1.00	1.03	1.01	1.04
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	2	12	11	18	12	23	15	6
SMR	0.74	0.83	0.68	1.02	0.65	1.41	1.26	0.71
CNTRL OBS	28	79	79	100	118	81	65	38
SMR	2.12	1.16	1.09	1.32	1.53	1.22	1.35	1.13
<b>OTHER LYMPHOMA</b>								
STUDY OBS	2	29	42	56	46	51	66	72
SMR	0.42	1.10	1.25	1.37	0.95	0.95	1.10	1.27
CNTRL OBS	25	134	157	183	190	208	235	256
SMR	1.05	1.04	0.98	0.96	0.86	0.87	0.89	1.05
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	1	4	14	13	9	22	26	15
SMR	0.65	0.46	1.10	0.83	0.47	0.93	0.91	0.57
CNTRL OBS	6	62	71	64	87	96	131	92
SMR	0.78	1.43	1.16	0.86	0.98	0.89	1.04	0.82
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	84	455	521	522	503	609	672	504
SMR	0.98	1.01	1.12	1.10	1.04	1.23	1.29	1.14
CNTRL OBS	467	2342	2478	2341	2411	2520	2413	2117
SMR	1.09	1.05	1.10	1.03	1.06	1.12	1.05	1.11
<b>STOMACH</b>								
STUDY OBS	21	110	107	89	104	79	82	59
SMR	0.89	0.91	1.00	0.94	1.27	1.09	1.21	1.10
CNTRL OBS	151	628	600	475	434	431	367	291
SMR	1.29	1.06	1.16	1.07	1.14	1.31	1.23	1.27

Age at death: all

Millstone 1,2,3 (1970)  
New London, CT

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM								
STUDY OBS	40	191	233	270	243	334	356	256
SMR	1.13	1.01	1.15	1.25	1.06	1.38	1.38	1.18
CNTRL OBS	180	1065	1131	1067	1165	1222	1206	1073
SMR	1.02	1.15	1.15	1.04	1.08	1.10	1.04	1.13
LIVER (PRIMARY)								
STUDY OBS	8	51	57	54	26	20	19	23
SMR	0.75	0.92	1.05	1.04	0.65	0.80	0.74	1.00
CNTRL OBS	52	241	240	223	148	87	77	92
SMR	0.98	0.88	0.91	0.90	0.80	0.77	0.70	0.95
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	27	154	182	191	294	384	481	470
SMR	1.26	1.29	1.11	0.88	1.01	1.03	1.03	1.06
CNTRL OBS	86	536	733	927	1252	1517	1771	1684
SMR	0.80	0.91	0.92	0.90	0.94	0.91	0.88	0.90
BREAST (FEMALE)								
STUDY OBS	27	97	136	145	156	200	198	154
SMR	1.33	0.90	1.14	1.11	1.06	1.23	1.14	1.01
CNTRL OBS	118	545	622	607	752	768	859	751
SMR	1.17	1.02	1.08	0.98	1.10	1.05	1.12	1.16
THYROID								
STUDY OBS	2	3	5	2	4	4	11	4
SMR	2.05	0.58	0.92	0.38	0.78	0.78	2.21	1.04
CNTRL OBS	4	29	24	13	12	23	26	9
SMR	0.82	1.14	0.91	0.52	0.50	0.98	1.17	0.53
BONES & JOINTS								
STUDY OBS	1	11	14	7	6	9	11	6
SMR	0.48	1.02	1.40	0.75	0.63	0.96	1.39	1.28
CNTRL OBS	9	58	34	40	36	31	33	10
SMR	0.89	1.13	0.73	0.96	0.87	0.78	1.01	0.54
BLADDER								
STUDY OBS	6	22	48	52	49	46	51	46
SMR	0.86	0.60	1.23	1.27	1.13	1.01	1.07	1.18
CNTRL OBS	50	214	215	214	206	231	211	188
SMR	1.45	1.18	1.13	1.09	1.01	1.09	0.98	1.08
BRAIN & OTHER C.N.S.								
STUDY OBS	6	21	21	27	41	40	49	50
SMR	1.28	0.82	0.69	0.78	1.07	0.83	0.96	1.15
CNTRL OBS	19	122	132	140	142	215	200	171
SMR	0.82	1.00	0.95	0.91	0.85	1.04	0.93	0.94
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	5	25	29	4
SMR	0.00	0.00	0.00	0.00	1.03	1.04	1.60	0.69
CNTRL OBS	0	0	0	0	29	132	113	26
SMR	0.00	0.00	0.00	0.00	1.37	1.26	1.45	1.06





Age at diagnosis: under 10

Millstone 1,2,3 (1970)  
New London, CT

	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>LIVER (PRIMARY)</b>								
STUDY OBS	0	1	1	0	0	0	0	0
SRR	0.00	4.13	3.45	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	1	0	0	0	2
SRR	0.00	0.00	0.00	3.94	0.00	0.00	0.00	3.12
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	1	0	0	0	0
SRR	0.00	0.00	0.00	30.06	0.00	0.00	0.00	0.00
<b>BREAST (FEMALE)</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>THYROID</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	1
SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.31
<b>BONES &amp; JOINTS</b>								
STUDY OBS	0	0	1	2	1	0	1	0
SRR	0.00	0.00	1.21	2.64	1.59	0.00	2.08	0.00
CNTRL OBS	1	1	0	0	0	0	2	0
SRR	10.33	1.71	0.00	0.00	0.00	0.00	4.13	0.00
<b>BLADDER</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	0	1	4	7	6	7	3	3
SRR	0.00	0.22	0.80	1.21	1.02	1.42	0.65	0.96
CNTRL OBS	0	3	3	5	7	6	4	4
SRR	0.00	0.65	0.61	0.87	1.16	1.20	0.83	1.12

[illegible]

Age at diagnosis: 10 to 19

Millstone 1,2,3 (1970)  
New London, CT

		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>COLON &amp; RECTUM</b>									
STUDY	OBS	0	0	0	0	0	0	0	1
	SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.02
CNTRL	OBS	0	0	0	0	0	0	1	0
	SRR	0.00	0.00	0.00	0.00	0.00	0.00	2.19	0.00
<b>LIVER (PRIMARY)</b>									
STUDY	OBS	0	0	0	0	0	1	0	0
	SRR	0.00	0.00	0.00	0.00	0.00	3.48	0.00	0.00
CNTRL	OBS	0	0	0	0	0	1	0	0
	SRR	0.00	0.00	0.00	0.00	0.00	3.09	0.00	0.00
<b>TRACHEA, BRONCHUS, LUNG</b>									
STUDY	OBS	0	0	0	0	0	1	0	2
	SRR	0.00	0.00	0.00	0.00	0.00	5.90	0.00	7.33
CNTRL	OBS	0	0	0	0	0	0	0	0
	SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BREAST (FEMALE)</b>									
STUDY	OBS	0	0	0	0	0	0	0	0
	SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>THYROID</b>									
STUDY	OBS	0	1	0	1	2	0	1	0
	SRR	0.00	6.62	0.00	0.88	2.44	0.00	0.61	0.00
CNTRL	OBS	0	0	1	0	1	2	0	1
	SRR	0.00	0.00	1.50	0.00	1.05	1.20	0.00	0.85
<b>BONES &amp; JOINTS</b>									
STUDY	OBS	1	0	2	0	2	4	5	6
	SRR	4.65	0.00	1.16	0.00	0.77	1.65	1.81	2.30
CNTRL	OBS	0	1	1	2	3	1	4	1
	SRR	0.00	0.77	0.56	0.80	1.03	0.38	1.33	0.35
<b>BLADDER</b>									
STUDY	OBS	0	0	0	0	0	2	1	0
	SRR	0.00	0.00	0.00	0.00	0.00	3.78	5.28	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SRR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>									
STUDY	OBS	0	0	1	1	5	4	4	4
	SRR	0.00	0.00	0.41	0.33	1.28	1.10	0.92	1.14
CNTRL	OBS	0	0	4	2	1	6	5	4
	SRR	0.00	0.00	1.53	0.62	0.23	1.49	1.01	0.99

Age at diagnosis: 20 to 39

Millstone 1,2,3 (1970)  
New London, CT

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	1	5	2	5	6	7	13	6
	SRR	0.83	0.81	0.34	0.75	0.74	0.70	1.28	0.68
CNTRL	OBS	1	6	4	5	9	9	18	10
	SRR	0.84	1.01	0.71	0.78	1.11	0.85	1.61	0.99
ALL CANCER, EXCL LEUK									
STUDY	OBS	17	118	92	136	133	159	218	194
	SRR	0.74	0.98	0.68	0.89	0.83	0.84	0.97	0.93
CNTRL	OBS	23	104	104	127	144	190	254	246
	SRR	0.99	0.86	0.78	0.83	0.87	0.94	0.99	0.99
HODGKIN'S DISEASE									
STUDY	OBS	0	5	6	15	15	13	20	12
	SRR	0.00	0.57	0.57	1.13	0.92	0.62	0.90	0.57
CNTRL	OBS	2	8	6	12	12	23	26	22
	SRR	1.23	0.95	0.61	0.95	0.74	1.08	1.07	0.94
OTHER LYMPHOMA									
STUDY	OBS	0	4	4	6	8	9	8	8
	SRR	0.00	0.66	0.66	0.91	1.04	1.10	0.87	0.82
CNTRL	OBS	2	6	6	8	8	4	9	9
	SRR	1.70	1.02	1.04	1.24	1.03	0.47	0.88	0.82
MULTIPLE MYELOMA									
STUDY	OBS	0	0	0	0	0	0	3	0
	SRR	0.00	0.00	0.00	0.00	0.00	0.00	3.92	0.00
CNTRL	OBS	0	0	1	0	0	0	4	0
	SRR	0.00	0.00	2.58	0.00	0.00	0.00	4.67	0.00
DIGESTIVE ORGANS									
STUDY	OBS	2	16	8	8	7	14	12	14
	SRR	0.66	1.02	0.51	0.51	0.50	1.02	0.85	1.01
CNTRL	OBS	5	16	15	15	11	13	16	12
	SRR	1.60	1.01	0.97	0.98	0.75	0.88	0.98	0.76
STOMACH									
STUDY	OBS	0	3	3	2	1	2	1	0
	SRR	0.00	1.02	1.19	0.78	0.44	0.98	0.57	0.00
CNTRL	OBS	0	2	1	0	2	1	3	0
	SRR	0.00	0.68	0.40	0.00	0.87	0.47	1.47	0.00

Age at diagnosis: 20 to 39

Millstone 1,2,3 (1970)  
New London, CT

	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	2	11	4	3	5	9	9	9
SRR	0.95	1.03	0.41	0.31	0.62	1.07	0.97	1.09
CNTRL OBS	4	14	11	9	6	9	10	9
SRR	1.84	1.29	1.12	0.93	0.70	0.98	0.92	0.94
<b>LIVER (PRIMARY)</b>								
STUDY OBS	0	0	1	0	0	1	1	1
SRR	0.00	0.00	2.17	0.00	0.00	1.65	1.93	1.26
CNTRL OBS	0	0	0	2	0	1	0	0
SRR	0.00	0.00	0.00	3.08	0.00	1.61	0.00	0.00
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	0	4	4	6	6	3	13	7
SRR	0.00	1.50	0.99	1.02	1.08	0.33	1.40	0.96
CNTRL OBS	0	0	6	1	10	9	9	9
SRR	0.00	0.00	1.58	0.18	1.75	0.89	0.83	1.00
<b>BREAST (FEMALE)</b>								
STUDY OBS	5	19	21	22	23	31	33	37
SRR	1.05	0.76	0.76	0.74	0.78	0.99	0.87	0.95
CNTRL OBS	1	20	15	26	27	31	53	49
SRR	0.20	0.77	0.52	0.83	0.85	0.87	1.15	0.99
<b>THYROID</b>								
STUDY OBS	0	4	2	5	5	10	15	16
SRR	0.00	0.98	0.37	0.61	0.46	0.76	0.89	1.19
CNTRL OBS	0	4	5	6	8	13	15	17
SRR	0.00	0.97	0.91	0.71	0.70	0.91	0.76	1.02
<b>BONES &amp; JOINTS</b>								
STUDY OBS	0	2	1	2	4	2	5	3
SRR	0.00	1.70	0.66	1.18	1.71	0.92	1.80	1.42
CNTRL OBS	0	1	0	3	1	3	3	4
SRR	0.00	0.90	0.00	1.88	0.44	1.38	1.00	1.73
<b>BLADDER</b>								
STUDY OBS	0	1	2	4	6	3	7	3
SRR	0.00	0.61	1.04	1.21	1.47	0.64	1.51	0.65
CNTRL OBS	0	1	1	3	3	7	4	5
SRR	0.00	0.61	0.54	0.93	0.72	1.39	0.75	0.91
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	1	3	6	4	8	11	11	12
SRR	0.95	0.54	0.94	0.59	1.07	1.22	0.92	1.25
CNTRL OBS	1	4	3	7	7	10	15	8
SRR	0.95	0.73	0.49	1.06	0.91	1.05	1.14	0.74



Age at diagnosis: 40 to 59

Millstone 1,2,3 (1970)  
New London, CT

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	2	11	16	6	15	17	22	14
	SRR	0.72	0.74	0.94	0.38	0.80	0.71	1.00	0.88
CNTRL	OBS	5	12	19	13	21	23	18	19
	SRR	1.80	0.78	1.03	0.74	0.97	0.85	0.73	1.06
ALL CANCER, EXCL LEUK									
STUDY	OBS	107	548	639	728	825	987	1099	889
	SRR	0.94	0.92	0.98	0.96	0.92	0.95	1.02	1.03
CNTRL	OBS	99	531	616	763	901	1077	1109	920
	SRR	0.87	0.86	0.87	0.90	0.88	0.93	0.93	0.96
HODGKIN'S DISEASE									
STUDY	OBS	0	7	5	10	7	8	8	6
	SRR	0.00	1.02	0.81	1.40	0.80	0.87	1.06	0.98
CNTRL	OBS	1	2	6	4	8	11	12	11
	SRR	0.73	0.28	0.90	0.50	0.81	1.05	1.41	1.51
OTHER LYMPHOMA									
STUDY	OBS	6	18	15	25	24	26	29	28
	SRR	2.24	1.24	0.84	1.18	0.92	0.89	0.91	0.91
CNTRL	OBS	1	20	21	26	23	33	39	29
	SRR	0.37	1.34	1.09	1.09	0.77	1.00	1.08	0.83
MULTIPLE MYELOMA									
STUDY	OBS	1	5	3	4	9	6	9	6
	SRR	1.31	1.20	0.61	0.83	1.37	0.61	0.90	0.79
CNTRL	OBS	1	1	2	10	7	11	6	7
	SRR	1.32	0.24	0.38	1.89	0.96	1.03	0.57	0.93
DIGESTIVE ORGANS									
STUDY	OBS	30	127	142	164	180	216	211	171
	SRR	0.96	0.79	0.88	0.94	0.95	1.03	1.04	1.10
CNTRL	OBS	29	136	162	180	180	231	206	179
	SRR	0.93	0.82	0.94	0.92	0.83	0.99	0.92	1.05
STOMACH									
STUDY	OBS	11	24	25	25	28	16	22	22
	SRR	1.83	0.80	0.94	0.92	1.11	0.64	0.92	1.33
CNTRL	OBS	5	20	27	31	28	29	18	13
	SRR	0.83	0.64	0.95	1.02	0.98	1.05	0.69	0.72

Age at diagnosis: 40 to 59

Millstone 1,2,3 (1970)  
New London, CT

	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	15	75	87	99	113	145	132	109
SRR	0.80	0.78	0.87	0.92	0.95	1.11	1.04	1.11
CNTRL OBS	21	86	100	113	118	157	137	122
SRR	1.12	0.86	0.93	0.93	0.86	1.06	0.96	1.12
<b>LIVER (PRIMARY)</b>								
STUDY OBS	1	1	2	3	3	4	4	5
SRR	2.44	0.44	0.71	1.13	0.94	0.82	0.73	1.00
CNTRL OBS	1	1	4	2	1	1	4	5
SRR	2.54	0.44	1.35	0.71	0.29	0.18	0.66	0.91
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	8	60	71	93	110	158	195	151
SRR	0.84	1.16	1.05	1.10	0.99	1.09	1.16	1.04
CNTRL OBS	8	44	66	69	119	137	168	141
SRR	0.83	0.81	0.90	0.73	0.94	0.85	0.91	0.89
<b>BREAST (FEMALE)</b>								
STUDY OBS	22	86	124	145	171	208	211	176
SRR	0.99	0.73	0.93	0.90	0.85	0.89	0.91	0.96
CNTRL OBS	21	101	113	179	209	254	236	207
SRR	0.95	0.83	0.78	0.99	0.92	0.97	0.91	1.01
<b>THYROID</b>								
STUDY OBS	1	7	5	6	6	4	12	8
SRR	0.97	1.27	0.81	0.85	0.62	0.36	0.87	0.68
CNTRL OBS	0	8	2	7	7	10	12	11
SRR	0.00	1.43	0.30	0.89	0.64	0.80	0.76	0.82
<b>BONES &amp; JOINTS</b>								
STUDY OBS	0	3	0	0	0	0	1	0
SRR	0.00	2.00	0.00	0.00	0.00	0.00	0.81	0.00
CNTRL OBS	1	0	1	1	1	0	2	1
SRR	3.44	0.00	0.59	0.67	0.56	0.00	1.40	0.96
<b>BLADDER</b>								
STUDY OBS	0	11	15	20	26	31	56	42
SRR	0.00	0.69	0.88	0.83	0.75	0.70	1.13	1.08
CNTRL OBS	4	21	10	31	43	53	62	40
SRR	1.27	1.25	0.54	1.13	1.07	1.05	1.10	0.89
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	2	15	15	19	26	18	27	16
SRR	0.87	1.21	0.98	1.05	1.29	0.90	1.21	0.95
CNTRL OBS	1	14	18	17	19	23	32	13
SRR	0.43	1.08	1.07	0.84	0.82	1.01	1.26	0.67

Age at diagnosis: 60 plus

Millstone 1,2,3 (1970)  
New London, CT

	1950-50	1951-55	1956-60	YEARS BEFORE STARTUP		YEARS AFTER STARTUP		
				1961-65	1966-70	1971-75	1976-80	1981-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	7	35	44	44	52	68	76	63
SRR	1.05	0.94	0.91	0.80	0.88	0.98	0.97	0.96
CNTRL OBS	7	36	46	51	52	87	87	77
SRR	1.04	0.94	0.91	0.86	0.79	1.08	0.95	1.00
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	210	1206	1489	1649	1790	2178	2678	2471
SRR	0.85	0.90	0.94	0.94	0.91	0.97	0.99	0.98
CNTRL OBS	234	1234	1604	1674	1939	2414	2936	2974
SRR	0.95	0.90	0.97	0.89	0.89	0.93	0.92	1.00
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	3	3	11	8	6	15	7	6
SRR	2.20	0.43	1.68	1.01	0.61	1.48	0.82	0.85
CNTRL OBS	2	4	8	10	11	11	17	7
SRR	1.44	0.56	1.17	1.17	1.00	0.94	1.68	0.85
<b>OTHER LYMPHOMA</b>								
STUDY OBS	4	23	28	37	36	44	68	79
SRR	0.86	0.90	0.87	1.00	0.80	0.83	0.93	1.03
CNTRL OBS	4	31	33	43	43	51	73	83
SRR	0.86	1.18	0.98	1.08	0.86	0.83	0.85	0.92
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	3	14	12	15	25	31	13
SRR	0.00	0.30	0.94	0.64	0.66	0.81	0.85	0.46
CNTRL OBS	3	7	11	13	15	32	35	36
SRR	1.75	0.69	0.71	0.66	0.60	0.92	0.83	1.11
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	77	484	567	577	581	729	841	730
SRR	0.78	0.91	0.94	0.91	0.88	1.02	1.02	0.98
CNTRL OBS	100	471	633	608	675	758	875	887
SRR	1.02	0.87	1.01	0.90	0.92	0.91	0.90	1.01
<b>STOMACH</b>								
STUDY OBS	20	100	114	82	88	85	71	53
SRR	0.86	0.82	0.96	0.73	0.91	0.93	0.80	0.69
CNTRL OBS	21	115	131	116	81	96	81	84
SRR	0.90	0.93	1.06	0.96	0.76	0.92	0.78	0.93

Age at diagnosis: 60 plus

Millstone 1,2,3 (1970)  
New London, CT

	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	41	266	309	367	378	502	602	520
SRR	0.78	0.92	0.90	0.98	0.91	1.07	1.08	1.03
CNTRL OBS	47	246	355	351	424	494	618	598
SRR	0.89	0.84	0.99	0.87	0.92	0.91	0.95	1.01
<b>LIVER (PRIMARY)</b>								
STUDY OBS	1	12	15	13	5	13	13	15
SRR	0.62	1.33	1.28	1.02	0.41	0.96	0.75	0.87
CNTRL OBS	0	11	13	8	11	15	18	22
SRR	0.00	1.21	1.07	0.59	0.81	0.95	0.88	1.08
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	17	91	132	157	254	290	403	448
SRR	0.99	0.92	0.91	0.84	1.07	0.95	0.99	1.12
CNTRL OBS	15	73	132	177	223	307	415	461
SRR	0.85	0.71	0.86	0.87	0.83	0.86	0.86	0.98
<b>BREAST (FEMALE)</b>								
STUDY OBS	19	109	156	180	209	288	292	280
SRR	0.73	0.77	0.98	0.98	0.95	1.08	0.90	0.91
CNTRL OBS	23	139	162	190	224	314	387	371
SRR	0.91	1.00	1.01	0.99	0.93	1.04	1.03	1.04
<b>THYROID</b>								
STUDY OBS	0	3	7	5	4	6	10	8
SRR	0.00	0.45	1.07	0.64	0.49	0.60	0.99	0.88
CNTRL OBS	0	7	11	8	10	10	11	7
SRR	0.00	1.06	1.62	0.98	1.12	0.88	0.95	0.66
<b>BONES &amp; JOINTS</b>								
STUDY OBS	1	3	4	2	0	1	3	1
SRR	1.74	0.98	1.37	0.96	0.00	0.48	0.87	0.32
CNTRL OBS	0	7	1	0	3	1	4	3
SRR	0.00	2.25	0.33	0.00	1.20	0.41	0.98	0.81
<b>BLADDER</b>								
STUDY OBS	6	45	79	104	105	119	169	124
SRR	0.53	0.72	1.02	1.14	0.94	0.90	1.05	0.79
CNTRL OBS	14	52	66	80	94	158	173	201
SRR	1.22	0.81	0.80	0.81	0.75	1.02	0.90	1.08
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	2	7	10	17	25	18	23	29
SRR	1.33	0.83	0.86	1.23	1.42	0.81	0.82	1.01
CNTRL OBS	1	6	14	7	11	30	35	32
SRR	0.65	0.69	1.16	0.47	0.55	1.15	1.05	0.95

Age at diagnosis: all

Millstone 1,2,3 (1970)  
New London, CT

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1961-65	1966-70	1971-75	1976-80	1981-84			
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	11							
	SRR	0.89							
CNTRL	OBS	14							
	SRR	1.13							
ALL CANCER, EXCL LEUK									
STUDY	OBS	336							
	SRR	0.87							
CNTRL	OBS	359							
	SRR	0.93							
HODGKIN'S DISEASE									
STUDY	OBS	3							
	SRR	0.63							
CNTRL	OBS	5							
	SRR	1.05							
OTHER LYMPHOMA									
STUDY	OBS	10							
	SRR	1.12							
CNTRL	OBS	7							
	SRR	0.79							
MULTIPLE MYELOMA									
STUDY	OBS	1							
	SRR	0.39							
CNTRL	OBS	4							
	SRR	1.58							
DIGESTIVE ORGANS									
STUDY	OBS	109							
	SRR	0.82							
CNTRL	OBS	134							
	SRR	1.01							
STOMACH									
STUDY	OBS	31							
	SRR	1.04							
CNTRL	OBS	26							
	SRR	0.87							

Age at diagnosis: all

Millstone 1,2,3 (1970)  
New London, CT

	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM								
STUDY OBS	58	352	400	469	496	656	743	639
SRR	0.79	0.89	0.88	0.95	0.91	1.08	1.07	1.05
CNTRL OBS	72	346	466	473	548	660	766	729
SRR	0.98	0.86	0.98	0.89	0.90	0.94	0.95	1.02
LIVER (PRIMARY)								
STUDY OBS	2	14	19	16	8	19	18	21
SRR	0.96	1.20	1.24	0.97	0.48	0.98	0.76	0.88
CNTRL OBS	1	12	17	13	12	18	22	29
SRR	0.49	1.02	1.07	0.74	0.66	0.81	0.80	1.05
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	25	155	207	256	370	452	611	608
SRR	0.92	1.01	0.95	0.92	1.04	0.99	1.04	1.10
CNTRL OBS	23	117	204	248	352	453	592	611
SRR	0.83	0.73	0.88	0.82	0.87	0.86	0.87	0.96
BREAST (FEMALE)								
STUDY OBS	46	214	301	347	403	527	536	493
SRR	0.86	0.75	0.94	0.93	0.89	0.99	0.90	0.93
CNTRL OBS	45	260	290	395	460	599	676	627
SRR	0.86	0.91	0.87	0.98	0.92	1.00	0.99	1.03
THYROID								
STUDY OBS	1	15	14	17	17	20	38	32
SRR	0.32	0.91	0.74	0.70	0.57	0.56	0.89	0.90
CNTRL OBS	0	19	19	21	26	35	38	37
SRR	0.00	1.14	0.96	0.81	0.80	0.88	0.77	0.88
BONES & JOINTS								
STUDY OBS	2	8	8	6	7	7	15	10
SRR	1.45	1.06	0.94	0.73	0.75	0.81	1.40	1.10
CNTRL OBS	2	10	3	6	8	5	15	9
SRR	1.45	1.30	0.35	0.70	0.79	0.53	1.25	0.87
BLADDER								
STUDY OBS	6	57	96	128	137	155	233	169
SRR	0.41	0.71	0.99	1.08	0.91	0.86	1.08	0.84
CNTRL OBS	18	74	77	114	140	218	239	246
SRR	1.20	0.89	0.75	0.88	0.82	1.03	0.94	1.04
BRAIN & OTHER C.N.S.								
STUDY OBS	5	26	36	48	70	58	68	64
SRR	0.86	0.81	0.88	1.01	1.27	0.97	0.95	1.03
CNTRL OBS	3	27	42	38	45	75	91	61
SRR	0.51	0.82	0.99	0.75	0.74	1.12	1.11	0.85





Age at death: under 10

Point Beach 1,2/Kewaunee (1970)  
Kewaunee, WI ; Manitowoc, WI

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	2	0	0	1	0
SMR	0.00	0.00	0.00	5.02	0.00	0.00	3.97	0.00
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	0	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	0.00	36.71	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS								
STUDY OBS	0	0	0	1	0	0	0	0
SMR	0.00	0.00	0.00	6.33	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	2	1	0
SMR	0.00	0.00	0.00	0.00	0.00	6.88	4.45	0.00
BLADDER								
STUDY OBS	0	0	0	1	0	0	0	0
SMR	0.00	0.00	0.00	42.70	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	0	0	0	0	0	0
SMR	0.00	10.78	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	1	1	4	5	2	2	0	0
SMR	3.01	0.56	1.94	2.54	1.36	1.91	0.00	0.00
CNTRL OBS	0	3	5	12	3	3	4	0
SMR	0.00	0.63	0.92	2.30	0.75	1.01	1.73	0.00
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	1	1	0
SMR	0.00	0.00	0.00	0.00	0.00	0.78	1.35	0.00





Age at death: 20 to 39

Point Beach 1,2/Kewaunee (1970)  
Kewaunee, WI ; Manitowoc, WI

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP				
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84		
LEUKEMIA & ALEUKEMIA	STUDY	1	0	1	4	3	6	5	2		
	SMR	1.86	0.00	0.40	1.73	1.34	2.55	1.98	0.93		
	CNTRL	3	9	8	8	4	3	10	6		
	SMR	2.03	1.26	1.18	1.24	0.62	0.43	1.30	0.90		
ALL CANCER, EXCL LEUK	STUDY	4	25	16	12	17	20	13	21		
	SMR	0.83	1.07	0.73	0.58	0.89	1.09	0.71	1.30		
	CNTRL	10	62	53	54	53	49	44	49		
	SMR	0.76	0.97	0.89	0.94	0.97	0.90	0.78	0.98		
HODGKIN'S DISEASE	STUDY	2	0	2	4	0	2	0	0		
	SMR	4.75	0.00	0.99	1.96	0.00	1.16	0.00	0.00		
	CNTRL	0	9	4	3	6	5	3	3		
	SMR	0.00	1.60	0.72	0.53	1.07	0.98	0.74	1.00		
OTHER LYMPHOMA	STUDY	1	2	0	0	2	1	2	2		
	SMR	3.95	1.63	0.00	0.00	1.71	0.84	1.58	1.73		
	CNTRL	0	4	2	5	2	5	3	3		
	SMR	0.00	1.19	0.61	1.48	0.60	1.42	0.78	0.84		
MULTIPLE MYELOMA	STUDY	0	0	0	0	0	0	0	0		
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	CNTRL	0	0	0	0	1	0	0	0		
	SMR	0.00	0.00	0.00	0.00	4.51	0.00	0.00	0.00		
DIGESTIVE ORGANS	STUDY	0	2	3	2	1	6	1	0		
	SMR	0.00	0.45	0.79	0.62	0.35	2.29	0.39	0.00		
	CNTRL	2	15	12	11	6	5	8	6		
	SMR	0.79	1.24	1.15	1.22	0.74	0.65	1.01	0.87		
STOMACH	STUDY	0	1	1	0	0	1	0	0		
	SMR	0.00	1.01	1.25	0.00	0.00	2.32	0.00	0.00		
	CNTRL	0	2	0	2	1	0	1	0		
	SMR	0.00	0.74	0.00	1.13	0.72	0.00	0.82	0.00		

Point Beach 1,2/Kewaunee (1970)  
Kewaunee, WI ; Manitowoc, WI

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	0	1	2	2	1		1	0
SMR	0.00	0.45	1.05	1.25	0.71	3	0.77	0.00
CNTRL OBS	2	8	9	5	3	1	6	4
SMR	1.56	1.31	1.72	1.12	0.74	0.26	1.52	1.20
<b>LIVER (PRIMARY)</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	4	0	1	0	4	0	0
SMR	0.00	3.33	0.00	1.17	0.00	5.80	0.00	0.00
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	0	0	0	0	1	0	1	2
SMR	0.00	0.00	0.00	0.00	0.57	0.00	0.58	1.38
CNTRL OBS	1	0	2	3	2	4	3	2
SMR	1.37	0.00	0.47	0.63	0.40	0.77	0.57	0.44
<b>BREAST (FEMALE)</b>								
STUDY OBS	1	4	1	2	1	2	1	7
SMR	1.58	1.28	0.33	0.70	0.38	0.80	0.38	2.72
CNTRL OBS	2	10	9	8	9	8	2	11
SMR	1.14	1.16	1.08	1.00	1.21	1.06	0.24	1.38
<b>THYROID</b>								
STUDY OBS	0	0	1	0	0	0	0	0
SMR	0.00	0.00	13.12	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	2	0	0	0	1	0	0
SMR	0.00	9.12	0.00	0.00	0.00	6.43	0.00	0.00
<b>BONES &amp; JOINTS</b>								
STUDY OBS	0	0	2	0	0	1	1	2
SMR	0.00	0.00	5.04	0.00	0.00	2.61	2.41	6.15
CNTRL OBS	0	3	1	1	0	0	1	2
SMR	0.00	2.33	0.92	1.03	0.00	0.00	0.80	1.97
<b>BLADDER</b>								
STUDY OBS	0	0	0	0	1	0	0	0
SMR	0.00	0.00	0.00	0.00	15.33	0.00	0.00	0.00
CNTRL OBS	0	1	0	0	0	0	0	0
SMR	0.00	3.02	0.00	0.00	0.00	0.00	0.00	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	0	4	1	0	4	4	1	3
SMR	0.00	1.92	0.50	0.00	2.36	2.13	0.54	1.84
CNTRL OBS	1	4	8	9	7	8	3	5
SMR	0.85	0.70	1.45	1.72	1.44	1.44	0.53	0.99
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	1	0	1
SMR	0.00	0.00	0.00	0.00	0.00	0.48	0.00	2.48



Age at death: 40 to 59

Point Beach 1,2/Kewaunee (1970)  
Kewaunee, WI ; Manitowoc, WI

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA									
STUDY OBS	4		12	9	7	9	5	6	5
SMR	3.07		1.81	1.34	1.04	1.36	0.82	1.05	1.13
CNTRL OBS	7		17	12	15	18	26	14	13
SMR	1.88		0.91	0.65	0.82	0.99	1.50	0.83	0.98
ALL CANCER, EXCL LEUK									
STUDY OBS	35		121	176	165	188	176	175	137
SMR	1.04		0.70	0.99	0.89	0.96	0.90	0.95	0.97
CNTRL OBS	82		434	417	429	460	456	479	388
SMR	0.85		0.90	0.86	0.85	0.86	0.83	0.88	0.92
HODGKIN'S DISEASE									
STUDY OBS	0		2	6	2	3	0	2	0
SMR	0.00		0.77	2.20	0.74	1.14	0.00	1.63	0.00
CNTRL OBS	0		9	8	10	8	3	8	2
SMR	0.00		1.25	1.08	1.36	1.10	0.53	2.20	0.85
OTHER LYMPHOMA									
STUDY OBS	0		4	5	6	5	11	6	8
SMR	0.00		0.84	0.92	0.99	0.76	1.74	1.04	1.70
CNTRL OBS	1		16	15	14	14	27	9	11
SMR	0.39		1.20	1.01	0.85	0.77	1.51	0.53	0.78
MULTIPLE MYELOMA									
STUDY OBS	0		1	4	0	1	3	1	2
SMR	0.00		0.61	2.01	0.00	0.49	1.34	0.45	1.17
CNTRL OBS	1		4	6	10	10	4	3	9
SMR	1.12		0.86	1.10	1.75	1.78	0.63	0.46	1.76
DIGESTIVE ORGANS									
STUDY OBS	13		46	72	64	48	42	42	37
SMR	1.22		0.86	1.42	1.31	1.01	0.96	1.07	1.27
CNTRL OBS	26		132	135	140	135	117	124	85
SMR	0.84		0.87	0.98	1.06	1.04	0.94	1.07	0.97
STOMACH									
STUDY OBS	5		12	14	12	2	4	7	4
SMR	1.95		0.96	1.38	1.42	0.28	0.65	1.39	1.09
CNTRL OBS	9		35	21	18	19	11	14	13
SMR	1.21		0.98	0.76	0.79	0.96	0.64	0.94	1.18

Point Beach 1,2/Kewaunee (1970)  
Kewaunee, WI ; Manitowoc, WI

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	4	20	36	29	27	29	20	12
SMR	0.89	0.88	1.63	1.34	1.26	1.43	1.09	0.90
CNTRL OBS	15	64	73	75	65	61	62	38
SMR	1.16	1.00	1.21	1.28	1.10	1.06	1.15	0.96
<b>LIVER (PRIMARY)</b>								
STUDY OBS	1	7	5	4	4	2	3	3
SMR	0.76	1.08	0.89	0.79	1.04	0.85	1.47	1.84
CNTRL OBS	1	14	14	16	10	6	10	7
SMR	0.26	0.76	0.91	1.16	0.95	0.90	1.66	1.43
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	2	8	16	14	27	28	40	27
SMR	0.43	0.32	0.51	0.37	0.58	0.53	0.72	0.60
CNTRL OBS	7	39	54	54	63	95	111	109
SMR	0.51	0.55	0.64	0.53	0.50	0.63	0.68	0.81
<b>BREAST (FEMALE)</b>								
STUDY OBS	7	27	28	21	35	32	24	19
SMR	1.58	1.18	1.15	0.81	1.25	1.15	0.93	0.98
CNTRL OBS	14	69	59	64	76	62	74	67
SMR	1.11	1.07	0.88	0.89	0.98	0.79	0.99	1.18
<b>THYROID</b>								
STUDY OBS	0	1	0	0	1	1	0	0
SMR	0.00	1.36	0.00	0.00	1.91	2.17	0.00	0.00
CNTRL OBS	0	2	6	1	1	2	0	2
SMR	0.00	0.96	3.25	0.62	0.70	1.54	0.00	2.44
<b>BONES &amp; JOINTS</b>								
STUDY OBS	2	2	2	2	2	0	0	0
SMR	7.12	1.44	1.68	2.04	2.26	0.00	0.00	0.00
CNTRL OBS	0	4	4	1	4	0	2	1
SMR	0.00	1.02	1.23	0.38	1.65	0.00	1.19	1.13
<b>BLADDER</b>								
STUDY OBS	0	0	2	2	4	5	2	4
SMR	0.00	0.00	0.68	0.74	1.53	2.07	0.96	2.78
CNTRL OBS	4	10	12	3	5	2	1	2
SMR	2.06	1.06	1.49	0.41	0.70	0.29	0.16	0.46
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	1	5	10	8	8	10	12	3
SMR	0.80	0.78	1.43	1.10	1.10	1.27	1.76	0.58
CNTRL OBS	1	24	16	21	21	21	22	12
SMR	0.28	1.33	0.84	1.06	1.05	0.94	1.10	0.78
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00
CNTRL OBS	0	0	0	0	4	6	2	0
SMR	0.00	0.00	0.00	0.00	2.32	0.75	0.41	0.00

Age at death: 60 plus

Point Beach 1,2/Kewaunee (1970)  
Kewaunee, WI ; Manitowoc, WI

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	4	13	21	34	34	25	35	37
SMR	1.51	0.88	1.13	1.53	1.33	0.91	1.16	1.39
CNTRL OBS	8	45	54	65	85	80	108	89
SMR	0.94	0.96	0.92	0.96	1.12	1.00	1.25	1.17
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	86	435	489	512	528	634	719	701
SMR	1.07	1.00	1.01	0.94	0.86	0.92	0.93	1.02
CNTRL OBS	255	1404	1442	1475	1667	1791	2115	1884
SMR	0.97	1.01	0.95	0.89	0.92	0.90	0.95	0.96
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	2	6	6	3	4	2	2
SMR	0.00	0.71	1.87	1.72	0.80	1.14	0.74	1.03
CNTRL OBS	2	3	7	9	6	6	8	6
SMR	1.19	0.34	0.70	0.86	0.55	0.60	1.04	1.08
<b>OTHER LYMPHOMA</b>								
STUDY OBS	1	8	8	15	19	36	25	26
SMR	0.71	1.01	0.74	1.09	1.10	1.79	1.05	1.13
CNTRL OBS	0	29	22	47	36	56	74	64
SMR	0.00	1.16	0.66	1.13	0.71	0.97	1.09	0.97
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	1	2	5	5	7	7	19	19
SMR	1.84	0.62	1.00	0.77	0.83	0.66	1.47	1.59
CNTRL OBS	0	6	13	19	26	24	39	37
SMR	0.00	0.59	0.84	0.97	1.05	0.78	1.05	1.09
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	45	234	252	242	217	221	239	218
SMR	1.24	1.21	1.25	1.14	0.98	0.97	1.00	1.08
CNTRL OBS	132	737	661	636	682	643	746	616
SMR	1.12	1.19	1.04	0.98	1.04	0.98	1.09	1.07
<b>STOMACH</b>								
STUDY OBS	14	85	59	53	39	30	29	26
SMR	1.35	1.58	1.22	1.23	1.02	0.89	0.93	1.08
CNTRL OBS	39	220	171	145	142	91	107	60
SMR	1.15	1.28	1.12	1.09	1.26	0.93	1.19	0.87

Age at death: 60 plus

Point Beach 1,2/Kewaunee (1970)  
Kewaunee, WI ; Manitowoc, WI

	YEARS BEFORE STARTUP								YEARS AFTER STARTUP			
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84				
COLON & RECTUM												
STUDY OBS	13	88	118	118	102	108	118	108				
SMR	0.88	1.11	1.35	1.22	0.97	0.95	0.97	1.06				
CNTRL OBS	54	317	308	281	351	344	397	318				
SMR	1.12	1.24	1.12	0.95	1.12	1.04	1.13	1.09				
LIVER (PRIMARY)												
STUDY OBS	8	27	27	15	16	15	13	11				
SMR	1.82	1.16	1.14	0.65	0.90	1.38	1.19	1.13				
CNTRL OBS	15	87	67	81	49	31	31	41				
SMR	1.05	1.16	0.91	1.15	0.93	0.99	0.99	1.48				
TRACHEA, BRONCHUS, LUNG												
STUDY OBS	6	27	26	46	47	87	115	129				
SMR	0.79	0.63	0.42	0.54	0.41	0.58	0.61	0.72				
CNTRL OBS	15	74	78	127	201	269	317	296				
SMR	0.62	0.55	0.41	0.50	0.60	0.63	0.59	0.58				
BREAST (FEMALE)												
STUDY OBS	5	34	33	35	52	56	60	67				
SMR	0.88	1.09	0.93	0.89	1.17	1.12	1.07	1.31				
CNTRL OBS	20	113	156	128	149	167	210	187				
SMR	1.06	1.12	1.42	1.07	1.13	1.13	1.28	1.26				
THYROID												
STUDY OBS	0	3	2	9	3	3	3	1				
SMR	0.00	1.51	0.91	4.09	1.37	1.35	1.38	0.59				
CNTRL OBS	1	6	8	4	8	7	8	4				
SMR	0.83	0.94	1.17	0.60	1.23	1.07	1.27	0.82				
BONES & JOINTS												
STUDY OBS	0	1	7	4	3	4	5	3				
SMR	0.00	0.29	2.30	1.47	1.08	1.46	2.24	2.63				
CNTRL OBS	3	7	7	13	9	2	8	4				
SMR	1.41	0.65	0.73	1.57	1.10	0.25	1.25	1.23				
BLADDER												
STUDY OBS	1	15	14	10	22	31	35	23				
SMR	0.31	0.86	0.74	0.48	0.97	1.26	1.36	1.10				
CNTRL OBS	14	50	56	74	70	66	84	56				
SMR	1.33	0.90	0.93	1.17	1.04	0.93	1.14	0.94				
BRAIN & OTHER C.N.S.												
STUDY OBS	0	2	6	4	11	14	14	18				
SMR	0.00	0.57	1.27	0.66	1.37	1.16	0.94	1.35				
CNTRL OBS	1	14	15	13	15	32	39	42				
SMR	0.50	1.28	1.05	0.73	0.65	0.94	0.93	1.11				
BENIGN & UNSPEC NEOPLASMS												
STUDY OBS	0	0	0	0	0	3	2	3				
SMR	0.00	0.00	0.00	0.00	0.00	0.38	0.30	1.31				
CNTRL OBS	0	0	0	0	1	28	10	5				
SMR	0.00	0.00	0.00	0.00	0.22	1.22	0.52	0.76				

Age at death: all

Point Beach 1,2/Kewaunee (1970)  
Kewaunee, WI ; Manitowoc, WI

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	9	30	39	50	54		50	46
SMR	1.61	1.00	1.13	1.32	1.33		1.20	1.30
CNTRL OBS	20	90	97	107	134		142	115
SMR	1.19	1.02	0.96	0.97	1.15		1.17	1.12
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	126	583	692	704	743		916	863
SMR	1.05	0.92	1.00	0.93	0.89		0.93	1.01
CNTRL OBS	349	1914	1936	1983	2199		2665	2331
SMR	0.93	0.98	0.93	0.89	0.91		0.94	0.95
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	2	4	15	12	6		4	2
SMR	1.31	0.51	1.78	1.38	0.68		0.73	0.52
CNTRL OBS	2	21	20	22	20		20	11
SMR	0.45	0.92	0.83	0.88	0.80		1.25	0.97
<b>OTHER LYMPHOMA</b>								
STUDY OBS	2	14	16	22	28		37	36
SMR	0.73	0.94	0.86	0.99	1.07		1.18	1.23
CNTRL OBS	2	51	41	67	56		89	79
SMR	0.24	1.15	0.75	1.04	0.75		0.98	0.93
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	1	3	9	5	8		20	21
SMR	1.15	0.61	1.27	0.58	0.76		1.31	1.53
CNTRL OBS	1	10	19	29	37		42	46
SMR	0.37	0.67	0.90	1.13	1.21		0.96	1.17
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	58	282	327	308	266		283	255
SMR	1.21	1.12	1.27	1.16	0.98		1.01	1.10
CNTRL OBS	160	884	811	789	823		880	707
SMR	1.06	1.13	1.03	1.00	1.04		1.09	1.06
<b>STOMACH</b>								
STUDY OBS	19	98	74	65	41		36	30
SMR	1.44	1.46	1.25	1.24	0.90		0.98	1.07
CNTRL OBS	48	257	192	165	162		122	73
SMR	1.15	1.22	1.05	1.05	1.21		1.15	0.90

Age at death: all

Point Beach 1,2/Kewaunee (1970)  
Kewaunee, MI ; Manitowoc, WI

Table 2-C.2

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP			
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84	
COLON & RECTUM									
STUDY OBS	17	109	156	149	130	140	139	120	
SMR	0.86	1.04	1.40	1.25	1.01	1.03	0.99	1.04	
CNTRL OBS	71	389	390	361	419	406	465	360	
SMR	1.14	1.19	1.14	1.01	1.11	1.03	1.14	1.08	
LIVER (PRIMARY)									
STUDY OBS	9	34	32	19	20	17	17	14	
SMR	1.54	1.12	1.07	0.66	0.90	1.25	1.27	1.20	
CNTRL OBS	16	105	83	100	59	41	43	48	
SMR	0.86	1.11	0.91	1.17	0.91	1.05	1.12	1.43	
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	8	35	42	60	76	116	156	158	
SMR	0.64	0.50	0.44	0.48	0.46	0.56	0.63	0.70	
CNTRL OBS	23	113	134	184	266	368	431	407	
SMR	0.60	0.54	0.48	0.51	0.57	0.63	0.61	0.63	
BREAST (FEMALE)									
STUDY OBS	13	65	62	58	88	90	85	93	
SMR	1.21	1.14	0.99	0.85	1.17	1.12	1.01	1.27	
CNTRL OBS	36	192	224	200	234	237	286	265	
SMR	1.08	1.10	1.20	1.01	1.08	1.02	1.16	1.25	
THYROID									
STUDY OBS	0	4	3	9	4	4	3	1	
SMR	0.00	1.42	1.01	3.13	1.44	1.46	1.14	0.50	
CNTRL OBS	1	10	14	5	9	10	8	6	
SMR	0.60	1.15	1.56	0.59	1.11	1.25	1.05	1.03	
BONES & JOINTS									
STUDY OBS	2	3	11	8	5	5	6	5	
SMR	1.69	0.50	2.02	1.63	1.01	1.05	1.56	2.29	
CNTRL OBS	4	18	15	18	16	5	14	10	
SMR	1.11	0.99	0.93	1.26	1.13	0.37	1.26	1.57	
BLADDER									
STUDY OBS	1	15	16	13	27	36	37	27	
SMR	0.25	0.72	0.72	0.55	1.06	1.33	1.32	1.21	
CNTRL OBS	18	62	68	77	75	68	85	58	
SMR	1.43	0.94	0.99	1.08	1.00	0.87	1.06	0.91	
BRAIN & OTHER C.N.S.									
STUDY OBS	2	12	22	19	26	30	28	24	
SMR	0.72	0.82	1.32	1.04	1.33	1.26	1.12	1.13	
CNTRL OBS	3	46	45	57	47	67	73	62	
SMR	0.37	1.11	0.96	1.12	0.86	0.99	1.01	1.01	
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0	0	0	4	2	3	
SMR	0.00	0.00	0.00	0.00	0.00	0.32	0.22	1.03	
CNTRL OBS	0	0	0	0	5	36	13	6	
SMR	0.00	0.00	0.00	0.00	0.70	1.02	0.48	0.71	





## Robinson 2 (1970)

[illegible]

Age at death: 10 to 19

Robinson 2 (1970)  
Chesterfield, SC ; Darlington, SC

		YEARS BEFORE STARTUP		YEARS AFTER STARTUP			
		1961-65	1966-70	1971-75	1976-80	1981-84	
1950-50							
LEUKEMIA & ALEUKEMIA							
STUDY OBS	1						
SMR	2.81						
CNTRL OBS	0						
SMR	0.00						
ALL CANCER, EXCL LEUK							
STUDY OBS	0						
SMR	0.00						
CNTRL OBS	1						
SMR	0.86						
HODGKIN'S DISEASE							
STUDY OBS	0						
SMR	0.00						
CNTRL OBS	0						
SMR	0.00						
OTHER LYMPHOMA							
STUDY OBS	0						
SMR	0.00						
CNTRL OBS	1						
SMR	7.08						
MULTIPLE MYELOMA							
STUDY OBS	0						
SMR	0.00						
CNTRL OBS	0						
SMR	0.00						
DIGESTIVE ORGANS							
STUDY OBS	0						
SMR	0.00						
CNTRL OBS	0						
SMR	0.00						
STOMACH							
STUDY OBS	0						
SMR	0.00						
CNTRL OBS	0						
SMR	0.00						

Robinson 2 (1970)  
Chesterfield, SC ; Darlington, SC

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM	STUDY OBS	0	0	0	0	1	0	0	0
	SMR	0.00	0.00	0.00	0.00	10.53	0.00	0.00	0.00
	CNTRL OBS	0	0	0	1	1	0	1	0
LIVER (PRIMARY)	SMR	0.00	0.00	0.00	5.51	7.09	0.00	8.21	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	SMR	0	0	0	0	0	1	0	0
	STUDY OBS	0.00	0.00	0.00	0.00	0.00	9.42	0.00	0.00
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
SMR	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	1	0	0	0
	SMR	0.00	0.00	0.00	0.00	100.91	0.00	0.00	0.00
CNTRL OBS	SMR	0	0	0	0	0	0	0	0
	STUDY OBS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
SMR	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	1	0	1	1	0	1
	SMR	0.00	0.00	1.29	0.00	1.40	1.59	0.00	2.88
CNTRL OBS	SMR	0	4	1	1	0	0	1	1
	STUDY OBS	0.00	3.78	0.88	0.93	0.00	0.00	1.27	1.92
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BLADDER	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
SMR	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	1	2	1	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.	STUDY OBS	0	0	0	0	1	2	1	0
	SMR	0.00	0.00	0.00	0.00	1.16	2.18	1.28	0.00
	CNTRL OBS	0	1	2	2	2	4	1	1
SMR	SMR	0.00	0.74	1.37	1.34	1.54	2.89	0.89	1.30
	STUDY OBS	0	0	0	0	0	1	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	2.53	0.00	0.00
CNTRL OBS	SMR	0	0	0	0	0	1	0	0
	STUDY OBS	0.00	0.00	0.00	0.00	0.00	1.68	0.00	0.00
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Age at death: 20 to 39

Robinson 2 (1970)  
Chesterfield, SC ; Darlington, SC

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	2	3	1	2	1	3	1	4
SMR	3.82	1.19	0.42	0.90	0.46	1.28	0.38	1.77
CNTRL OBS	1	0	2	2	3	6	7	0
SMR	1.24	0.00	0.56	0.62	0.94	1.74	1.83	0.00
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	11	30	17	17	25	23	22	22
SMR	1.99	1.14	0.71	0.77	1.23	1.17	1.05	1.20
CNTRL OBS	4	47	33	39	27	25	24	26
SMR	0.47	1.17	0.93	1.21	0.92	0.87	0.81	0.98
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	2	0	0	2	1	3	0
SMR	0.00	1.11	0.00	0.00	1.19	0.66	2.43	0.00
CNTRL OBS	0	5	3	1	2	2	1	3
SMR	0.00	1.81	1.17	0.40	0.83	0.91	0.56	2.26
<b>OTHER LYMPHOMA</b>								
STUDY OBS	1	0	1	2	2	1	1	0
SMR	3.95	0.00	0.89	1.73	1.77	0.87	0.77	0.00
CNTRL OBS	0	2	3	3	2	6	1	0
SMR	0.00	1.08	1.79	1.77	1.22	3.59	0.53	0.00
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	0	0	0	0	0	1
SMR	0.00	5.14	0.00	0.00	0.00	0.00	0.00	6.78
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	1	8	1	3	4	2	5	2
SMR	0.90	1.53	0.22	0.76	1.18	0.62	1.43	0.65
CNTRL OBS	0	6	4	6	2	3	5	4
SMR	0.00	0.76	0.60	1.04	0.40	0.63	1.01	0.90
<b>STOMACH</b>								
STUDY OBS	1	4	1	0	0	1	0	0
SMR	3.55	3.04	0.93	0.00	0.00	1.62	0.00	0.00
CNTRL OBS	0	1	2	3	2	1	1	1
SMR	0.00	0.50	1.26	2.30	2.00	1.11	1.10	1.23

Robinson 2 (1970)  
Chesterfield, SC ; Darlington, SC

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	0	1	0	1	1		3	1
SMR	0.00	0.43	0.00	0.58	0.65	0.67	1.87	0.74
CNTRL OBS	0	2	2	2	0	0	1	1
SMR	0.00	0.56	0.67	0.79	0.00	0.00	0.44	0.51
<b>LIVER (PRIMARY)</b>								
STUDY OBS	0	0	0	0	1	0	1	1
SMR	0.00	0.00	0.00	0.00	2.56	0.00	2.35	2.36
CNTRL OBS	0	1	0	0	0	0	2	1
SMR	0.00	0.99	0.00	0.00	0.00	0.00	3.26	1.61
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	2	0	3	2	2	3	2	2
SMR	6.89	0.00	1.84	1.07	1.01	1.51	0.96	1.14
CNTRL OBS	0	4	4	2	2	0	3	2
SMR	0.00	1.80	1.63	0.73	0.69	0.00	1.01	0.79
<b>BREAST (FEMALE)</b>								
STUDY OBS	1	4	1	1	4	5	3	4
SMR	1.37	1.13	0.30	0.32	1.40	1.75	0.92	1.25
CNTRL OBS	2	8	5	4	1	2	3	8
SMR	1.80	1.50	1.02	0.86	0.24	0.48	0.67	1.79
<b>THYROID</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BONES &amp; JOINTS</b>								
STUDY OBS	0	0	1	0	0	0	0	0
SMR	0.00	0.00	2.42	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	1	1	1	0	0	0
SMR	0.00	0.00	1.62	1.93	2.02	0.00	0.00	0.00
<b>BLADDER</b>								
STUDY OBS	0	0	0	1	0	0	0	0
SMR	0.00	0.00	0.00	9.50	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	1	0	2	0	2	3	2	1
SMR	2.75	0.00	1.19	0.00	1.33	1.70	1.12	0.68
CNTRL OBS	0	2	2	1	3	1	2	4
SMR	0.00	0.74	0.79	0.42	1.40	0.39	0.79	1.86
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	0	1	0	1
SMR	0.00	0.00	0.00	0.00	0.00	1.18	0.00	5.70
CNTRL OBS	0	0	0	0	1	0	0	0
SMR	0.00	0.00	0.00	0.00	4.05	0.00	0.00	0.00



Age at death: 40 to 59

Robinson 2 (1970)  
Chesterfield, SC ; Darlington, SC

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	1	7	8	5	8		6	7
	SMR	1.19	1.57	1.63	0.99	1.54		1.10	1.57
CNTRL	OBS	2	10	10	8	11		6	2
	SMR	1.41	1.35	1.26	0.98	1.30		0.72	0.29
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	25	132	130	150	156		181	138
	SMR	0.96	0.96	0.88	0.94	0.90		0.93	0.87
CNTRL	OBS	46	233	214	266	245		266	244
	SMR	1.03	1.01	0.89	1.04	0.87		0.89	1.02
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	0	1	3	3	0		3	0
	SMR	0.00	0.59	1.60	1.51	0.00		2.66	0.00
CNTRL	OBS	0	2	5	1	3		1	2
	SMR	0.00	0.71	1.66	0.31	0.93		0.58	1.78
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	0	3	1	5	5		2	2
	SMR	0.00	0.99	0.27	1.18	1.04		0.40	0.47
CNTRL	OBS	1	7	8	7	5		6	4
	SMR	1.06	1.39	1.33	1.02	0.64		0.76	0.61
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	1	2	2	3	4		3	4
	SMR	4.02	1.42	1.04	1.38	1.77		1.04	1.70
CNTRL	OBS	0	0	5	4	5		5	5
	SMR	0.00	0.00	1.59	1.14	1.37		1.15	1.43
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	7	36	31	38	41		40	29
	SMR	0.82	0.82	0.70	0.86	0.91		0.88	0.81
CNTRL	OBS	14	68	46	75	48		80	57
	SMR	0.96	0.92	0.64	1.05	0.66		1.16	1.07
<b>STOMACH</b>									
STUDY	OBS	3	11	9	11	9		1	6
	SMR	1.24	0.90	0.86	1.21	1.12		0.16	1.25
CNTRL	OBS	5	22	13	15	7		9	2
	SMR	1.19	1.07	0.76	1.03	0.54		0.93	0.28

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM	STUDY OBS	1	10	11	7	16	18	20	13
	SMR	0.33	0.63	0.68	0.42	0.93	1.02	1.11	0.93
	CNTRL OBS	6	24	9	26	13	29	34	20
	SMR	1.15	0.90	0.34	0.96	0.46	1.02	1.22	0.94
LIVER (PRIMARY)	STUDY OBS	2	8	3	5	5	5	3	2
	SMR	1.83	1.43	0.57	1.02	1.21	1.77	1.07	0.84
	CNTRL OBS	1	7	8	8	4	4	5	7
	SMR	0.53	0.74	0.94	1.01	0.60	0.89	1.18	1.98
TRACHEA, BRONCHUS, LUNG	STUDY OBS	4	13	19	24	40	53	55	38
	SMR	1.31	0.77	0.83	0.80	1.01	1.07	0.95	0.78
	CNTRL OBS	3	32	33	47	76	67	72	86
	SMR	0.57	1.13	0.89	0.97	1.17	0.84	0.81	1.15
BREAST (FEMALE)	STUDY OBS	3	18	12	18	17	25	28	15
	SMR	0.94	1.06	0.62	0.85	0.73	1.03	1.11	0.74
	CNTRL OBS	4	18	29	33	35	31	30	17
	SMR	0.74	0.64	0.93	0.98	0.94	0.81	0.78	0.56
THYROID	STUDY OBS	0	0	0	0	2	1	1	0
	SMR	0.00	0.00	0.00	0.00	4.11	2.42	2.45	0.00
	CNTRL OBS	0	0	2	1	1	1	2	0
	SMR	0.00	0.00	2.30	1.22	1.27	1.51	3.18	0.00
BONES & JOINTS	STUDY OBS	0	2	2	2	1	0	0	0
	SMR	0.00	1.84	2.05	2.41	1.33	0.00	0.00	0.00
	CNTRL OBS	3	2	0	2	2	1	1	1
	SMR	8.23	1.10	0.00	1.50	1.63	0.84	1.05	2.06
BLADDER	STUDY OBS	0	1	2	1	4	3	0	0
	SMR	0.00	0.36	0.76	0.39	1.65	1.33	0.00	0.00
	CNTRL OBS	2	5	4	5	3	1	3	4
	SMR	2.16	1.08	0.94	1.21	0.75	0.27	0.93	1.78
BRAIN & OTHER C.N.S.	STUDY OBS	0	5	3	3	0	5	6	5
	SMR	0.00	1.37	0.69	0.63	0.00	0.84	1.04	1.12
	CNTRL OBS	2	8	8	8	8	16	7	12
	SMR	1.76	1.32	1.14	1.04	0.97	1.65	0.78	1.74
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	0	2	1	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.70	0.54	0.00
	CNTRL OBS	0	0	0	0	1	6	1	0
	SMR	0.00	0.00	0.00	0.00	1.03	1.32	0.35	0.00

Age at death: 60 plus

Robinson 2 (1970)  
Chesterfield, SC ; Darlington, SC

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA	STUDY OBS	0	7	4	8	11	12	8	10
	SMR	0.00	1.05	0.46	0.75	0.88	0.82	0.45	0.61
	CNTRL OBS	1	12	18	24	27	25	37	21
SMR	0.43	0.93	1.09	1.20	1.20	1.17	0.94	1.21	0.74
ALL CANCER, EXCL LEUK	STUDY OBS	24	163	228	236	256	354	507	465
	SMR	0.57	0.71	0.87	0.78	0.73	0.83	0.95	0.93
	CNTRL OBS	54	366	387	435	541	656	752	802
SMR	0.64	0.82	0.77	0.77	0.84	0.86	0.82	0.82	0.94
HODGKIN'S DISEASE	STUDY OBS	0	0	0	3	2	0	0	1
	SMR	0.00	0.00	0.00	1.75	1.06	0.00	0.00	0.81
	CNTRL OBS	1	4	1	2	3	3	1	0
SMR	2.11	1.58	0.35	0.64	0.88	0.89	0.89	0.36	0.00
OTHER LYMPHOMA	STUDY OBS	0	3	10	7	6	9	12	18
	SMR	0.00	0.82	1.95	1.05	0.70	0.84	0.87	1.30
	CNTRL OBS	0	9	8	7	10	16	16	28
SMR	0.00	1.29	0.83	0.57	0.64	0.64	0.84	0.67	1.18
MULTIPLE MYELOMA	STUDY OBS	0	0	6	5	6	5	9	7
	SMR	0.00	0.00	1.98	1.22	1.08	0.64	0.84	0.67
	CNTRL OBS	0	0	3	7	8	13	18	15
SMR	0.00	0.00	0.53	0.93	0.79	0.93	1.00	1.00	0.86
DIGESTIVE ORGANS	STUDY OBS	8	62	87	80	84	89	141	126
	SMR	0.43	0.62	0.80	0.67	0.66	0.63	0.85	0.85
	CNTRL OBS	20	131	117	161	163	200	222	228
SMR	0.53	0.66	0.56	0.72	0.70	0.79	0.78	0.91	0.91
STOMACH	STUDY OBS	1	18	24	17	15	17	23	20
	SMR	0.17	0.59	0.83	0.62	0.61	0.72	0.94	0.98
	CNTRL OBS	8	48	35	31	23	32	25	31
SMR	0.67	0.79	0.62	0.60	0.50	0.75	0.59	0.90	0.90

Age at death: 60 plus

Robinson 2 (1970)  
Chesterfield, SC ; Darlington, SC

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	2	20	32	37	35	41	56	53
SMR	0.29	0.53	0.75	0.75	0.63	0.63	0.72	0.77
CNTRL OBS	6	43	36	69	69	78	106	105
SMR	0.43	0.58	0.43	0.74	0.67	0.67	0.79	0.90
<b>LIVER (PRIMARY)</b>								
STUDY OBS	1	11	4	6	8	3	8	5
SMR	0.44	0.90	0.32	0.46	0.74	0.39	0.92	0.61
CNTRL OBS	1	14	15	14	17	9	8	12
SMR	0.22	0.59	0.62	0.58	0.87	0.67	0.54	0.87
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	1	10	21	36	43	71	129	125
SMR	0.27	0.47	0.67	0.81	0.69	0.80	1.02	0.97
CNTRL OBS	4	35	58	62	96	153	194	207
SMR	0.55	0.86	0.99	0.76	0.85	0.97	0.89	0.94
<b>BREAST (FEMALE)</b>								
STUDY OBS	1	10	13	8	20	34	35	38
SMR	0.33	0.60	0.68	0.36	0.75	1.03	0.85	0.98
CNTRL OBS	5	35	29	27	47	43	44	57
SMR	0.84	1.08	0.79	0.65	0.98	0.75	0.65	0.91
<b>THYROID</b>								
STUDY OBS	0	2	0	0	0	0	2	0
SMR	0.00	1.95	0.00	0.00	0.00	0.00	1.36	0.00
CNTRL OBS	0	3	2	1	3	1	1	2
SMR	0.00	1.50	0.89	0.43	1.30	0.41	0.40	1.01
<b>BONES &amp; JOINTS</b>								
STUDY OBS	0	1	3	3	3	4	2	1
SMR	0.00	0.58	1.88	2.03	1.95	2.45	1.39	1.33
CNTRL OBS	0	2	1	2	7	2	4	2
SMR	0.00	0.59	0.33	0.73	2.49	0.69	1.62	1.56
<b>BLADDER</b>								
STUDY OBS	0	5	6	9	5	10	19	6
SMR	0.00	0.61	0.66	0.88	0.44	0.77	1.29	0.48
CNTRL OBS	2	13	13	12	17	15	20	18
SMR	0.65	0.80	0.73	0.62	0.80	0.63	0.77	0.82
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	0	0	3	2	4	6	6	7
SMR	0.00	0.00	1.40	0.69	0.98	0.87	0.64	0.81
CNTRL OBS	0	4	4	5	8	11	16	14
SMR	0.00	1.38	1.03	0.98	1.11	0.90	1.01	0.95
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	1	2	0	1
SMR	0.00	0.00	0.00	0.00	1.07	0.39	0.00	0.51
CNTRL OBS	0	0	0	0	1	6	5	4
SMR	0.00	0.00	0.00	0.00	0.59	0.66	0.62	1.24

Age at death: all

Robinson 2 (1970)  
Chesterfield, SC ; Darlington, SC

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	5	23	17	20	28	25	19	27
	SMR	1.34	1.18	0.78	0.86	1.13	0.96	0.66	1.07
CNTRL	OBS	6	30	36	43	45	48	53	26
	SMR	0.96	0.92	0.99	1.09	1.08	1.09	1.12	0.63
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	60	332	379	412	447	555	714	627
	SMR	0.80	0.83	0.85	0.83	0.81	0.87	0.95	0.92
CNTRL	OBS	108	660	642	756	824	961	1045	1077
	SMR	0.77	0.90	0.81	0.87	0.85	0.88	0.84	0.96
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	0	4	3	7	4	2	6	1
	SMR	0.00	0.75	0.53	1.18	0.67	0.38	1.43	0.33
CNTRL	OBS	1	12	9	4	8	6	3	5
	SMR	0.57	1.35	0.98	0.42	0.83	0.70	0.45	1.05
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	1	7	12	15	14	17	15	20
	SMR	0.60	0.78	1.07	1.14	0.91	0.97	0.72	1.01
CNTRL	OBS	3	21	20	19	20	33	23	32
	SMR	1.03	1.35	1.04	0.84	0.76	1.10	0.67	0.98
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	1	2	8	8	10	6	12	11
	SMR	1.71	0.59	1.57	1.25	1.26	0.57	0.88	0.85
CNTRL	OBS	0	1	8	11	13	15	23	21
	SMR	0.00	0.16	0.89	0.98	0.94	0.83	1.02	1.00
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	16	106	119	122	130	129	186	157
	SMR	0.56	0.71	0.76	0.73	0.74	0.68	0.87	0.84
CNTRL	OBS	34	205	168	243	215	272	308	289
	SMR	0.63	0.73	0.58	0.81	0.69	0.83	0.86	0.94
<b>STOMACH</b>									
STUDY	OBS	5	33	34	28	24	22	24	26
	SMR	0.58	0.74	0.84	0.75	0.72	0.70	0.76	1.01
CNTRL	OBS	13	71	50	49	32	43	35	34
	SMR	0.78	0.85	0.67	0.73	0.54	0.79	0.66	0.80

Age at death: all

Robinson 2 (1970)  
Chesterfield, SC ; Darlington, SC

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM	STUDY	3	31	43	45	53		79	67
	OBS		0.55	0.70	0.66	0.71	60	0.81	0.80
	SHR	0.29						0.81	
	CNTRL	12	69	47	98	84	107	142	126
LIVER (PRIMARY)	STUDY	0.60	0.66	0.42	0.80	0.63	0.72	0.87	0.90
	OBS								
	SHR								
	CNTRL	3	19	7	12	14	8	12	8
TRACHEA, BRONCHUS, LUNG	STUDY	0.84	1.02	0.38	0.65	0.91	0.73	0.99	0.72
	OBS	2	22	23	22	21	15	15	20
	SHR	0.30	0.63	0.68	0.66	0.77	0.80	0.75	1.11
	CNTRL	7	23	44	62	85	127	186	165
BREAST (FEMALE)	STUDY	0.99	0.58	0.79	0.81	0.82	0.91	1.00	0.92
	OBS	7	71	95	111	174	220	269	295
	SHR	0.54	1.00	0.97	0.84	0.96	0.91	0.87	0.99
	CNTRL	5	32	26	27	42	64	66	57
THYROID	STUDY	0.72	0.86	0.62	0.58	0.79	1.06	0.95	0.92
	OBS	11	61	63	64	83	76	77	82
	SHR	0.88	0.92	0.87	0.80	0.93	0.76	0.69	0.84
	CNTRL	0	2	0	0	2	1	3	0
BONES & JOINTS	STUDY	0.00	1.18	0.00	0.00	1.09	0.54	1.55	0.00
	OBS	0	3	4	2	4	2	3	2
	SHR	0.00	0.96	1.23	0.62	1.25	0.62	0.94	0.81
	CNTRL	0	3	7	5	5	6	2	2
BLADDER	STUDY	2.07	1.10	0.45	1.02	1.73	0.52	1.22	1.41
	OBS								
	SHR								
	CNTRL	0	0.71	1.79	1.42	1.44	1.73	0.65	1.12
BRAIN & OTHER C.N.S.	STUDY	0	6	8	11	9	13	19	6
	OBS		0.54	0.67	0.86	0.64	0.85	1.13	0.43
	SHR	0.00	18	17	17	20	16	23	22
	CNTRL	0.98	0.85	0.76	0.72	0.79	0.58	0.78	0.91
BENIGN & UNSPEC NEOPLASMS	STUDY	1	7	8	7	8	18	15	13
	OBS		0.72	0.73	0.58	0.63	1.09	0.81	0.83
	SHR	0.53	16	17	21	23	36	26	31
	CNTRL	0.99	1.02	0.97	1.09	1.11	1.32	0.88	1.22
	STUDY	0	0	0	0	1	8	1	2
	OBS		0.00	0.00	0.00	0.53	0.83	0.13	0.72
	SHR	0.00	0	0	0	3	13	7	4
	CNTRL	0.00	0.00	0.00	0.00	0.94	0.81	0.56	0.90





Age at death: under 10

Monticello (1971)  
Sherburne, MN ; Wright, MN

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)								
STUDY OBS	0	0	0	0	0	0	0	1
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.77
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS								
STUDY OBS	0	0	0	1	0	1	0	0
SMR	0.00	0.00	0.00	12.04	0.00	13.33	0.00	0.00
CNTRL OBS	1	0	0	0	0	1	0	0
SMR	21.28	0.00	0.00	0.00	0.00	11.59	0.00	0.00
BLADDER								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	1	2	2	0	1	1	1	0
SMR	3.21	2.33	2.06	0.00	1.17	1.30	1.26	0.00
CNTRL OBS	0	1	1	2	0	3	2	0
SMR	0.00	0.79	0.71	1.51	0.00	3.42	2.53	0.00
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	1	0	0	0
SMR	0.00	0.00	0.00	0.00	7.38	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	0.00	2.73	0.00	0.00

Age at death: 10 to 19

		Monticello (1971) Sherburne, MN ; Wright, MN							
		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	0	0	1	2	0	0	1	1
	SMR	0.00	0.00	1.07	1.80	0.00	0.00	0.68	1.23
CNTRL	OBS	0	1	5	1	2	0	5	0
	SMR	0.00	0.77	3.45	0.61	1.10	0.00	2.97	0.00
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	1	2	3	0	2	3	2	1
	SMR	1.76	1.29	1.73	0.00	0.85	1.15	0.78	0.69
CNTRL	OBS	2	2	5	2	4	3	1	2
	SMR	2.17	0.81	1.84	0.64	1.17	0.89	0.34	1.28
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	0	0	0	0	1	0	1	1
	SMR	0.00	0.00	0.00	0.00	4.55	0.00	6.14	10.87
CNTRL	OBS	0	0	1	1	0	0	0	0
	SMR	0.00	0.00	3.23	2.83	0.00	0.00	0.00	0.00
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	0	0	1	0	1	0	1	0
	SMR	0.00	0.00	3.72	0.00	2.78	0.00	2.67	0.00
CNTRL	OBS	0	1	1	0	1	0	0	0
	SMR	0.00	2.90	2.40	0.00	1.94	0.00	0.00	0.00
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	1	1	0	0	0
	SMR	0.00	0.00	0.00	7.70	7.34	0.00	0.00	0.00
<b>STOMACH</b>									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	1	0	0	0	0
	SMR	0.00	0.00	0.00	118.06	0.00	0.00	0.00	0.00

Monticello (1971)  
Sherburne, MN ; Wright, MN

[illegible]

Age at death: 20 to 39

Monticello (1971)  
Sherburne, MN ; Wright, MN

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	1	2	0	1	0	3	3	0
	SMR	2.24	1.82	0.00	0.84	0.00	1.59	1.22	0.00
CNTRL	OBS	0	1	3	2	5	1	2	1
	SMR	0.00	0.55	1.75	1.14	2.65	0.44	0.75	0.58
ALL CANCER, EXCL LEUK									
STUDY	OBS	2	8	8	10	10	18	13	14
	SMR	0.52	0.85	0.89	1.01	0.90	1.24	0.70	1.09
CNTRL	OBS	7	7	17	8	10	16	10	13
	SMR	1.04	0.43	1.13	0.53	0.64	0.91	0.50	0.98
HODGKIN'S DISEASE									
STUDY	OBS	0	1	1	3	3	1	1	0
	SMR	0.00	1.14	1.12	2.85	2.56	0.78	0.81	0.00
CNTRL	OBS	0	0	0	2	2	2	1	1
	SMR	0.00	0.00	0.00	1.29	1.25	1.28	0.74	1.29
OTHER LYMPHOMA									
STUDY	OBS	0	0	1	0	1	1	2	1
	SMR	0.00	0.00	1.91	0.00	1.41	1.05	1.57	1.10
CNTRL	OBS	0	0	0	1	0	1	0	2
	SMR	0.00	0.00	0.00	1.09	0.00	0.87	0.00	2.11
MULTIPLE MYELOMA									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	1	0	1	0	0	0
	SMR	0.00	0.00	14.91	0.00	16.57	0.00	0.00	0.00
DIGESTIVE ORGANS									
STUDY	OBS	1	3	0	4	0	2	2	1
	SMR	1.35	1.72	0.00	2.62	0.00	0.97	0.77	0.56
CNTRL	OBS	2	2	2	2	1	0	3	0
	SMR	1.54	0.67	0.78	0.85	0.44	0.00	1.07	0.00
STOMACH									
STUDY	OBS	0	0	0	0	0	1	1	0
	SMR	0.00	0.00	0.00	0.00	0.00	3.00	2.44	0.00
CNTRL	OBS	0	0	0	1	0	0	0	0
	SMR	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00

Age at death: 20 to 39

Monticello (1971)  
Sherburne, MN ; Wright, MN

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM	STUDY OBS	0	3	0	3	0	0	0	1
	SMR	0.00	3.41	0.00	3.95	0.00	0.00	0.00	1.15
	CNTRL OBS	1	1	2	0	1	0	2	0
LIVER (PRIMARY)	SMR	1.53	0.66	1.56	0.00	0.88	0.00	1.44	0.00
	STUDY OBS	1	0	0	0	0	0	0	0
	SMR	13.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	2	0	3	0	1
BREAST (FEMALE)	SMR	0.00	0.00	0.00	2.45	0.00	2.15	0.00	0.83
	CNTRL OBS	0	1	2	0	0	1	0	1
	SMR	0.00	1.02	1.80	0.00	0.00	0.59	0.00	0.80
THYROID	STUDY OBS	1	1	0	0	1	2	2	2
	SMR	2.08	0.83	0.00	0.00	0.69	1.02	0.71	0.93
	CNTRL OBS	0	1	1	0	1	3	2	1
BONES & JOINTS	SMR	0.00	0.46	0.49	0.00	0.48	1.25	0.67	0.47
	STUDY OBS	0	0	0	0	0	1	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	25.27	0.00	0.00
BLADDER	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	2	0	0	0	1	0
BRAIN & OTHER C.N.S.	SMR	0.00	0.00	10.95	0.00	0.00	0.00	2.60	0.00
	CNTRL OBS	1	0	0	0	1	0	0	0
	SMR	7.23	0.00	0.00	0.00	3.42	0.00	0.00	0.00
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	1	0	2	1	2	2
	SMR	0.00	0.00	1.18	0.00	1.91	0.68	1.08	1.56
	CNTRL OBS	1	1	5	2	2	0	1	1
	SMR	1.68	0.69	3.59	1.45	1.38	0.00	0.50	0.75
	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	1	0	0	0
	SMR	0.00	0.00	0.00	0.00	4.03	0.00	0.00	0.00



Age at death: 40 to 59

Monticello (1971)  
Sherburne, MN ; Wright, MN

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	2	4	6	1	3		8	1
	SMR	1.72	1.38	2.12	0.34	0.98	0.92	2.13	0.40
CNTRL	OBS	2	6	7	6	7	3	1	3
	SMR	0.95	1.14	1.35	1.21	1.49	0.65	0.21	1.01
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	25	55	51	62	66	83	96	63
	SMR	0.83	0.73	0.68	0.75	0.72	0.81	0.82	0.84
CNTRL	OBS	29	96	114	102	130	120	149	97
	SMR	0.53	0.70	0.82	0.73	0.92	0.82	0.99	1.05
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	2	1	0	0	1	2	0	0
	SMR	4.46	0.88	0.00	0.00	0.84	1.99	0.00	0.00
CNTRL	OBS	0	2	1	2	0	2	0	0
	SMR	0.00	0.96	0.48	1.00	0.00	1.42	0.00	0.00
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	0	2	3	2	3	2	5	3
	SMR	0.00	0.94	1.28	0.73	0.97	0.60	1.31	1.17
CNTRL	OBS	2	5	5	4	6	2	7	1
	SMR	1.35	1.29	1.16	0.87	1.26	0.43	1.44	0.32
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	1	1	0	1	1	1	3	1
	SMR	3.58	1.33	0.00	1.10	1.02	0.84	2.14	1.12
CNTRL	OBS	0	1	3	0	3	3	2	1
	SMR	0.00	0.73	1.90	0.00	1.98	1.77	1.10	0.91
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	9	11	13	20	12	22	28	16
	SMR	0.93	0.47	0.61	0.94	0.55	0.96	1.13	1.04
CNTRL	OBS	11	32	46	35	39	31	46	23
	SMR	0.63	0.76	1.17	0.96	1.15	0.95	1.45	1.22
<b>STOMACH</b>									
STUDY	OBS	4	1	7	2	0	4	6	3
	SMR	1.70	0.19	1.69	0.55	0.00	1.27	1.88	1.52
CNTRL	OBS	5	7	10	7	3	6	2	0
	SMR	1.18	0.72	1.30	1.14	0.59	1.35	0.49	0.00

Age at death: 40 to 59

Monticello (1971)  
Sherburne, MN ; Wright, MN

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM	STUDY OBS	3	8	1	9	9	9	10	6
	SMR	0.74	0.81	0.11	0.95	0.91	0.85	0.88	0.86
	CNTRL OBS	2	16	27	15	22	19	29	12
	SMR	0.27	0.89	1.58	0.93	1.43	1.26	1.97	1.40
LIVER (PRIMARY)	STUDY OBS	1	0	3	4	1	1	3	0
	SMR	0.84	0.00	1.28	1.88	0.61	0.83	2.28	0.00
	CNTRL OBS	0	4	2	7	2	1	3	0
	SMR	0.00	0.79	0.46	1.93	0.79	0.58	1.77	0.00
TRACHEA, BRONCHUS, LUNG	STUDY OBS	0	2	8	5	11	23	28	17
	SMR	0.00	0.17	0.58	0.28	0.48	0.80	0.78	0.72
	CNTRL OBS	1	7	8	9	28	29	36	26
	SMR	0.13	0.33	0.31	0.30	0.80	0.71	0.78	0.89
BREAST (FEMALE)	STUDY OBS	3	16	10	14	10	13	14	7
	SMR	0.79	1.64	0.98	1.23	0.78	0.91	0.88	0.70
	CNTRL OBS	4	17	15	14	24	18	21	14
	SMR	0.58	0.95	0.81	0.73	1.20	0.88	1.02	1.12
THYROID	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	1	0	1	2	0	0	0
	SMR	0.00	1.74	0.00	2.34	5.44	0.00	0.00	0.00
BONES & JOINTS	STUDY OBS	0	0	0	0	1	0	0	0
	SMR	0.00	0.00	0.00	0.00	2.46	0.00	0.00	0.00
	CNTRL OBS	0	1	0	0	0	0	0	0
	SMR	0.00	0.93	0.00	0.00	0.00	0.00	0.00	0.00
BLADDER	STUDY OBS	0	0	0	2	0	1	0	0
	SMR	0.00	0.00	0.00	1.68	0.00	0.80	0.00	0.00
	CNTRL OBS	0	1	0	1	2	1	0	1
	SMR	0.00	0.38	0.00	0.49	1.07	0.56	0.00	1.09
BRAIN & OTHER C.N.S.	STUDY OBS	1	2	4	3	2	0	6	2
	SMR	0.90	0.71	1.34	0.94	0.57	0.00	1.35	0.70
	CNTRL OBS	2	5	4	4	1	3	4	4
	SMR	0.99	0.97	0.74	0.75	0.18	0.52	0.71	1.16
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	0	0	2	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	2.29	0.00
	CNTRL OBS	0	0	0	0	1	0	0	0
	SMR	0.00	0.00	0.00	0.00	1.12	0.00	0.00	0.00

Age at death: 60 plus

Monticello (1971)  
Sherburne, MN ; Wright, MN

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	3	9	16	15	16	25	19	6
SMR	1.06	1.09	1.54	1.19	1.10	1.53	1.00	0.48
CNTRL OBS	6	16	20	26	27	29	27	19
SMR	1.13	1.06	1.08	1.24	1.19	1.18	1.00	1.10
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	80	230	238	278	298	335	449	288
SMR	0.92	0.97	0.90	0.92	0.86	0.82	0.92	0.89
CNTRL OBS	132	369	386	425	459	542	610	397
SMR	0.82	0.85	0.82	0.84	0.84	0.89	0.89	0.90
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	0	1	4	1	6	2	1
SMR	0.00	0.00	0.58	2.12	0.50	3.18	1.26	1.10
CNTRL OBS	2	3	6	2	3	5	3	1
SMR	1.95	1.09	1.97	0.63	0.95	1.76	1.34	0.81
<b>OTHER LYMPHOMA</b>								
STUDY OBS	1	5	6	8	10	10	19	15
SMR	0.68	1.13	1.01	1.04	1.03	0.84	1.26	1.39
CNTRL OBS	1	5	9	19	22	19	28	20
SMR	0.37	0.62	0.85	1.47	1.44	1.07	1.31	1.36
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	5	5	5	10	11	16	6
SMR	0.00	2.71	1.81	1.36	2.05	1.72	1.96	1.08
CNTRL OBS	1	2	6	13	6	11	18	11
SMR	0.95	0.59	1.22	2.12	0.79	1.15	1.56	1.44
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	40	108	104	108	100	113	145	88
SMR	1.02	1.04	0.96	0.93	0.81	0.85	0.98	0.93
CNTRL OBS	73	173	190	181	188	177	188	115
SMR	1.00	0.91	0.97	0.93	0.98	0.89	0.90	0.89
<b>STOMACH</b>								
STUDY OBS	14	26	32	25	18	21	19	14
SMR	1.23	0.91	1.25	1.07	0.86	1.08	0.99	1.22
CNTRL OBS	26	57	66	43	46	36	24	14
SMR	1.22	1.09	1.43	1.10	1.41	1.23	0.89	0.89

Age at death: 60 plus

Monticello (1971)  
Sherburne, MN ; Wright, MN

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP			
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84	
COLON & RECTUM									
STUDY OBS	8	50	36	57	49	59	75	47	
SMR	0.50	1.16	0.76	1.08	0.83	0.89	1.00	0.98	
CNTRL OBS	27	66	67	83	79	88	95	63	
SMR	0.91	0.84	0.79	0.93	0.85	0.88	0.89	0.96	
LIVER (PRIMARY)									
STUDY OBS	8	13	15	8	12	1	8	1	
SMR	1.72	1.07	1.22	0.68	1.36	0.16	1.17	0.22	
CNTRL OBS	9	19	22	23	13	3	7	4	
SMR	1.04	0.85	0.99	1.15	0.93	0.32	0.72	0.64	
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	6	16	12	24	41	49	78	57	
SMR	0.74	0.64	0.33	0.48	0.60	0.53	0.64	0.67	
CNTRL OBS	3	34	25	35	55	100	113	82	
SMR	0.20	0.76	0.40	0.42	0.51	0.73	0.67	0.72	
BREAST (FEMALE)									
STUDY OBS	7	13	21	23	18	18	37	21	
SMR	1.24	0.84	1.23	1.17	0.78	0.65	1.09	0.92	
CNTRL OBS	10	27	28	36	42	45	54	33	
SMR	0.95	0.94	0.88	1.06	1.15	1.08	1.13	1.05	
THYROID									
STUDY OBS	0	1	1	4	1	2	3	0	
SMR	0.00	0.96	0.90	3.53	0.85	1.60	2.31	0.00	
CNTRL OBS	1	1	0	0	2	2	1	0	
SMR	1.41	0.52	0.00	0.00	1.08	1.06	0.54	0.00	
BONES & JOINTS									
STUDY OBS	0	1	1	0	1	2	0	0	
SMR	0.00	0.56	0.63	0.00	0.65	1.30	0.00	0.00	
CNTRL OBS	1	1	2	0	0	6	2	1	
SMR	0.75	0.31	0.70	0.00	0.00	2.59	1.14	1.36	
BLADDER									
STUDY OBS	6	8	8	9	15	14	20	6	
SMR	1.66	0.82	0.75	0.76	1.12	0.94	1.23	0.59	
CNTRL OBS	4	10	15	12	17	19	19	10	
SMR	0.60	0.56	0.79	0.61	0.82	0.85	0.82	0.72	
BRAIN & OTHER C.N.S.									
STUDY OBS	1	3	2	4	3	6	11	5	
SMR	1.55	1.58	0.78	1.22	0.64	0.84	1.20	0.82	
CNTRL OBS	0	2	1	7	9	14	13	12	
SMR	0.00	0.58	0.22	1.28	1.21	1.32	1.02	1.45	
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0	0	1	8	1	0	
SMR	0.00	0.00	0.00	0.00	0.58	1.77	0.29	0.00	
CNTRL OBS	0	0	0	0	1	7	1	0	
SMR	0.00	0.00	0.00	0.00	0.38	1.03	0.20	0.00	

Age at death: all

Monticello (1971)  
Sherburne, MN ; Wright, MN

	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
LEUKEMIA & ALEUKEMIA								
STUDY OBS	6	19	25	19	22	32	32	8
SMR	1.09	1.25	1.43	0.94	0.98	1.29	1.13	0.43
CNTRL OBS	9	24	39	37	46	34	35	24
SMR	0.92	0.91	1.29	1.14	1.36	0.96	0.93	1.01
ALL CANCER, EXCL LEUK								
STUDY OBS	109	299	305	351	378	441	562	368
SMR	0.89	0.92	0.87	0.88	0.83	0.83	0.90	0.89
CNTRL OBS	172	477	524	539	604	687	773	509
SMR	0.76	0.81	0.83	0.81	0.85	0.88	0.90	0.92
HODGKIN'S DISEASE								
STUDY OBS	2	2	2	7	6	9	4	2
SMR	1.40	0.54	0.50	1.59	1.29	2.05	1.05	0.90
CNTRL OBS	2	5	8	7	5	9	4	2
SMR	0.79	0.76	1.16	0.98	0.72	1.48	0.83	0.75
OTHER LYMPHOMA								
STUDY OBS	1	8	11	10	16	13	27	20
SMR	0.37	1.06	1.17	0.85	1.13	0.77	1.30	1.37
CNTRL OBS	4	12	16	24	29	22	36	23
SMR	0.82	0.88	0.96	1.24	1.33	0.90	1.27	1.20
MULTIPLE MYELOMA								
STUDY OBS	1	6	5	6	11	12	19	7
SMR	1.16	2.27	1.37	1.30	1.87	1.57	1.97	1.07
CNTRL OBS	1	3	10	13	10	14	20	12
SMR	0.63	0.62	1.52	1.68	1.09	1.23	1.49	1.37
DIGESTIVE ORGANS								
STUDY OBS	50	122	117	132	112	137	175	106
SMR	1.01	0.95	0.89	0.95	0.76	0.87	1.00	0.94
CNTRL OBS	86	207	238	219	229	208	237	138
SMR	0.94	0.88	1.00	0.94	1.00	0.89	0.97	0.92
STOMACH								
STUDY OBS	18	27	39	27	18	26	26	17
SMR	1.29	0.79	1.29	0.99	0.73	1.13	1.14	1.24
CNTRL OBS	31	64	76	52	49	42	26	14
SMR	1.20	1.02	1.40	1.14	1.28	1.23	0.82	0.76

Age at death: all

Monticello (1971)  
Shorburne, MN ; Wright, MN

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP				
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84		
COLON & RECTUM										
STUDY OBS	11	61	37	69	58	68	85	54		
SMR	0.54	1.14	0.65	1.09	0.83	0.87	0.97	0.97		
CNTRL OBS	30	83	96	98	102	107	126	75		
SMR	0.80	0.84	0.93	0.92	0.93	0.92	1.03	1.00		
LIVER (PRIMARY)										
STUDY OBS	10	13	18	12	13	2	11	2		
SMR	1.68	0.86	1.21	0.84	1.21	0.26	1.28	0.35		
CNTRL OBS	9	23	24	30	15	4	10	4		
SMR	0.82	0.83	0.89	1.25	0.89	0.35	0.85	0.53		
TRACHEA, BRONCHUS, LUNG										
STUDY OBS	6	18	20	31	52	75	106	75		
SMR	0.47	0.48	0.39	0.45	0.56	0.61	0.67	0.68		
CNTRL OBS	4	42	35	44	83	130	149	109		
SMR	0.17	0.62	0.39	0.39	0.58	0.72	0.69	0.76		
BREAST (FEMALE)										
STUDY OBS	11	30	31	37	29	33	53	30		
SMR	1.11	1.14	1.09	1.14	0.78	0.75	1.01	0.86		
CNTRL OBS	14	45	44	50	67	66	77	48		
SMR	0.76	0.92	0.84	0.91	1.14	1.02	1.08	1.04		
THYROID										
STUDY OBS	0	1	1	4	1	3	3	0		
SMR	0.00	0.72	0.70	2.80	0.69	1.96	1.88	0.00		
CNTRL OBS	1	2	0	1	4	2	1	0		
SMR	1.03	0.78	0.00	0.41	1.76	0.88	0.45	0.00		
BONES & JOINTS										
STUDY OBS	0	1	3	1	2	5	1	0		
SMR	0.00	0.34	1.13	0.39	0.74	1.78	0.40	0.00		
CNTRL OBS	3	3	3	0	1	7	3	1		
SMR	1.39	0.57	0.65	0.00	0.24	1.76	0.93	0.66		
BLADDER										
STUDY OBS	6	8	8	11	15	15	20	6		
SMR	1.41	0.71	0.67	0.84	1.03	0.93	1.14	0.55		
CNTRL OBS	4	11	15	13	19	20	19	11		
SMR	0.51	0.53	0.70	0.59	0.84	0.83	0.77	0.74		
BRAIN & OTHER C.N.S.										
STUDY OBS	4	8	11	7	8	8	20	9		
SMR	1.56	1.17	1.41	0.79	0.75	0.56	1.18	0.81		
CNTRL OBS	3	9	12	15	12	21	20	17		
SMR	0.67	0.75	0.90	1.05	0.74	1.05	0.91	1.22		
BENIGN & UNSPEC NEOPLASMS										
STUDY OBS	0	0	0	0	2	8	3	0		
SMR	0.00	0.00	0.00	0.00	0.73	1.14	0.59	0.00		
CNTRL OBS	0	0	0	0	3	8	1	0		
SMR	0.00	0.00	0.00	0.00	0.73	0.79	0.15	0.00		





Palisados (1971)  
Van Buren, MI

	YEARS BEFORE STARTUP						YEARS AFTER STARTUP		
	1950-51	1952-56	1957-61	1962-66	1967-71		1972-76	1977-81	1982-84
COLON & RECTUM STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
LIVER (PRIMARY) STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
BREAST (FEMALE) STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
THYROID STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
BONES & JOINTS STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	1	0	0		0	0	0
SMR	0.00	0.00	5.43	0.00	0.00		0.00	0.00	0.00
BLADDER STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
BRAIN & OTHER C.N.S. STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
BENIGN & UNSPEC NEOPLASMS STUDY OBS	0	0	0	1	0		0	0	0
SMR	0.00	0.00	0.00	1.06	0.00		0.00	0.00	0.00
CNTRL OBS	0	2	2	3	3		1	1	1
SMR	0.00	1.04	0.91	1.49	1.91		0.80	0.91	1.50
BENIGN & UNSPEC NEOPLASMS STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00

Palisades (1971)

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP										
		1950-51		1952-56		1957-61		1962-66		1967-71		1972-76		1977-81		1982-84	
LEUKEMIA & ALEUKEMIA	STUDY	0		4		0		0		0		1		1		3	
	OBS	0.00		4.98		0.00		0.00		0.00		0.81		0.95		5.58	
	SMR	0		2		2		6		3		0		2		0	
CNTRL	OBS	0.00		1.10		0.95		2.55		1.21		0.00		0.91		0.00	
	SMR																
ALL CANCER, EXCL LEUK	STUDY	1		3		1		6		1		1		0		1	
	OBS	1.92		1.96		0.54		2.81		0.43		0.44		0.00		1.04	
	SMR	1		5		2		10		6		3		6		1	
CNTRL	OBS	0.81		1.46		0.51		2.26		1.29		0.67		1.56		0.49	
	SMR																
HODGKIN'S DISEASE	STUDY	0		2		0		0		0		0		0		0	
	OBS	0.00		12.36		0.00		0.00		0.00		0.00		0.00		0.00	
	SMR	0		0		0		0		0		0		0		0	
CNTRL	OBS	0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
	SMR																
OTHER LYMPHOMA	STUDY	1		0		1		2		0		0		0		0	
	OBS	14.70		0.00		3.58		6.11		0.00		0.00		0.00		0.00	
	SMR	1		1		0		2		1		0		2		0	
CNTRL	OBS	6.27		2.10		0.00		2.94		1.42		0.00		3.56		0.00	
	SMR																
MULTIPLE MYELOMA	STUDY	0		0		0		0		0		0		0		0	
	OBS	0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
	SMR	0		0		0		0		0		0		0		0	
CNTRL	OBS	0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
	SMR																
DIGESTIVE ORGANS	STUDY	0		0		0		2		0		0		0		0	
	OBS	0.00		0.00		0.00		21.05		0.00		0.00		0.00		0.00	
	SMR	0		0		0		0		0		0		0		0	
CNTRL	OBS	0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
	SMR																
STOMACH	STUDY	0		0		0		0		0		0		0		0	
	OBS	0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
	SMR	0		0		0		0		0		0		0		0	
CNTRL	OBS	0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
	SMR																

Table 2-C.5

[illegible]

Age at death: 20 to 39

Palisades (1971)  
Van Buren, MI

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP				
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84		
LEUKEMIA & ALEUKEMIA											
STUDY	OBS	1	0	3	2	0	0	3	1		
	SMR	2.28	0.00	2.51	1.61	0.00	0.00	1.74	0.94		
CNTRL	OBS	2	0	5	5	3	4	7	4		
	SMR	1.96	0.00	1.89	1.90	1.12	1.30	2.02	1.80		
ALL CANCER, EXCL LEUK											
STUDY	OBS	4	7	9	15	13	18	14	12		
	SMR	0.98	0.67	0.83	1.34	1.15	1.47	1.06	1.42		
CNTRL	OBS	14	21	26	21	21	31	30	19		
	SMR	1.52	0.90	1.11	0.90	0.92	1.29	1.15	1.10		
HODGKIN'S DISEASE											
STUDY	OBS	1	0	0	2	0	0	4	1		
	SMR	2.94	0.00	0.00	1.86	0.00	0.00	4.66	2.11		
CNTRL	OBS	2	3	6	3	2	3	0	2		
	SMR	2.51	1.46	2.73	1.28	0.88	1.44	0.00	2.02		
OTHER LYMPHOMA											
STUDY	OBS	1	0	0	2	0	0	0	0		
	SMR	4.81	0.00	0.00	3.09	0.00	0.00	0.00	0.00		
CNTRL	OBS	0	1	4	1	1	4	2	4		
	SMR	0.00	0.82	3.09	0.73	0.72	2.59	1.13	3.32		
MULTIPLE MYELOMA											
STUDY	OBS	0	0	1	0	0	0	0	0		
	SMR	0.00	0.00	20.15	0.00	0.00	0.00	0.00	0.00		
CNTRL	OBS	0	0	0	0	1	0	1	0		
	SMR	0.00	0.00	0.00	0.00	11.12	0.00	9.14	0.00		
DIGESTIVE ORGANS											
STUDY	OBS	1	1	3	1	1	4	2	4		
	SMR	1.27	0.51	1.60	0.56	0.59	2.23	1.05	3.33		
CNTRL	OBS	2	2	5	2	1	4	4	2		
	SMR	1.13	0.46	1.26	0.55	0.30	1.16	1.09	0.84		
STOMACH											
STUDY	OBS	0	0	0	0	0	2	0	2		
	SMR	0.00	0.00	0.00	0.00	0.00	6.63	0.00	10.13		
CNTRL	OBS	1	1	1	0	1	0	0	0		
	SMR	2.49	1.04	1.20	0.00	1.72	0.00	0.00	0.00		

Palisades (1971)  
Van Buren, MI

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	0	0	1	1	0	1	2	1
SMR	0.00	0.00	1.09	1.16	0.00	1.13	2.15	1.74
CNTRL OBS	1	1	3	2	0	3	3	2
SMR	1.12	0.46	1.51	1.11	0.00	1.74	1.64	1.72
<b>LIVER (PRIMARY)</b>								
STUDY OBS	1	0	1	0	0	0	0	0
SMR	12.21	0.00	5.33	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	1	0	0	0	0	0
SMR	0.00	0.00	2.61	0.00	0.00	0.00	0.00	0.00
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	0	1	1	1	1	2	0	1
SMR	0.00	1.58	1.26	1.06	0.94	1.68	0.00	1.28
CNTRL OBS	0	0	1	3	3	4	0	2
SMR	0.00	0.00	0.59	1.53	1.40	1.71	0.00	1.25
<b>BREAST (FEMALE)</b>								
STUDY OBS	0	3	1	2	3	2	4	1
SMR	0.00	2.08	0.65	1.28	1.90	1.14	1.95	0.70
CNTRL OBS	0	2	4	2	1	3	4	3
SMR	0.00	0.63	1.22	0.62	0.32	0.87	0.99	1.04
<b>THYROID</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	0.00	15.19	0.00	0.00
<b>BONES &amp; JOINTS</b>								
STUDY OBS	0	0	0	0	0	0	1	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	3.77	0.00
CNTRL OBS	1	0	0	0	0	0	0	0
SMR	5.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BLADDER</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	1	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	12.76	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	0	0	2	1	2	3	0	1
SMR	0.00	0.00	2.09	1.04	2.00	2.49	0.00	1.23
CNTRL OBS	2	2	0	3	1	4	2	0
SMR	2.47	0.96	0.00	1.44	0.48	1.66	0.77	0.00
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	0.00	1.16	0.00	0.00



Age at death: 40 to 59

Palisades (1971)  
Van Buren, MI

		YEARS BEFORE STARTUP		YEARS AFTER STARTUP			
		1962-66	1967-71	1972-76	1977-81	1982-84	
1950-51		1952-56	1957-61				
LEUKEMIA & ALEUKEMIA							
STUDY OBS	1	3	2	4	1	3	3
SMR	0.81	0.94	0.61	1.19	0.29	0.87	1.41
CNTRL OBS	2	7	3	10	12	4	4
SMR	0.76	1.04	0.43	1.40	1.65	0.54	0.84
ALL CANCER, EXCL LEUK							
STUDY OBS	32	71	89	79	100	112	61
SMR	0.96	0.82	0.99	0.81	0.95	0.99	0.88
CNTRL OBS	58	152	198	216	182	226	142
SMR	0.84	0.86	1.07	1.08	0.83	0.95	0.93
HODGKIN'S DISEASE							
STUDY OBS	0	0	3	3	1	3	0
SMR	0.00	0.00	2.31	2.23	0.76	2.88	0.00
CNTRL OBS	0	1	1	1	1	3	0
SMR	0.00	0.38	0.36	0.35	0.36	1.35	0.00
OTHER LYMPHOMA							
STUDY OBS	1	3	3	5	4	3	3
SMR	1.16	1.29	1.13	1.64	1.19	0.87	1.37
CNTRL OBS	3	9	5	8	8	11	7
SMR	1.65	1.83	0.88	1.22	1.10	1.46	1.39
MULTIPLE MYELOMA							
STUDY OBS	0	0	2	1	2	2	1
SMR	0.00	0.00	1.87	0.88	1.66	1.44	1.12
CNTRL OBS	2	2	6	5	2	4	1
SMR	3.16	1.13	2.85	2.23	0.84	1.44	0.54
DIGESTIVE ORGANS							
STUDY OBS	7	21	19	21	28	20	16
SMR	0.65	0.78	0.74	0.82	1.09	0.78	1.09
CNTRL OBS	22	46	60	57	48	47	31
SMR	1.00	0.85	1.16	1.10	0.91	0.89	0.98
STOMACH							
STUDY OBS	1	3	4	3	1	2	2
SMR	0.37	0.47	0.76	0.66	0.25	0.55	1.05
CNTRL OBS	2	11	7	11	6	2	3
SMR	0.37	0.88	0.69	1.25	0.76	0.28	0.75

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	6	11	7	10	18	7	13	7
SMR	1.36	1.00	0.65	0.92	1.61	0.61	1.15	1.10
CNTRL OBS	13	15	32	23	21	26	21	16
SMR	1.42	0.65	1.42	1.00	0.88	1.07	0.86	1.12
<b>LIVER (PRIMARY)</b>								
STUDY OBS	0	3	5	0	1	0	1	2
SMR	0.00	0.92	1.73	0.00	0.50	0.00	0.70	2.27
CNTRL OBS	2	8	8	12	6	2	1	2
SMR	0.74	1.23	1.39	2.30	1.53	0.71	0.35	1.12
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	5	9	14	20	28	36	32	16
SMR	1.09	0.70	0.88	1.00	1.09	1.15	0.89	0.72
CNTRL OBS	3	17	31	40	46	57	70	43
SMR	0.32	0.64	0.94	0.96	0.87	0.87	0.92	0.88
<b>BREAST (FEMALE)</b>								
STUDY OBS	3	11	16	8	9	17	15	5
SMR	0.71	0.98	1.30	0.59	0.61	1.08	0.94	0.55
CNTRL OBS	11	19	25	33	25	27	30	14
SMR	1.21	0.79	0.96	1.14	0.78	0.79	0.86	0.68
<b>THYROID</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	1	1	2	0	0
SMR	0.00	0.00	0.00	1.62	1.74	3.62	0.00	0.00
<b>BONES &amp; JOINTS</b>								
STUDY OBS	0	0	2	0	0	2	1	0
SMR	0.00	0.00	3.50	0.00	0.00	4.62	2.97	0.00
CNTRL OBS	0	3	0	4	0	1	0	0
SMR	0.00	2.18	0.00	3.91	0.00	1.12	0.00	0.00
<b>BLADDER</b>								
STUDY OBS	3	1	1	0	1	2	1	0
SMR	4.36	0.60	0.67	0.00	0.71	1.47	0.79	0.00
CNTRL OBS	2	3	3	5	3	4	3	0
SMR	1.45	0.90	1.01	1.75	1.05	1.40	1.10	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	1	3	7	3	3	3	4	2
SMR	0.88	0.99	2.11	0.86	0.79	0.71	0.97	0.84
CNTRL OBS	0	3	2	9	12	10	13	8
SMR	0.00	0.46	0.28	1.18	1.44	1.08	1.42	1.45
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	2	0	0	0
SMR	0.00	0.00	0.00	0.00	1.41	0.00	0.00	0.00

Age at death: 60 plus

Palisades (1971)  
Van Buren, MI

		YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
LEUKEMIA & ALEUKEMIA	STUDY OBS	6	15	12	15	11		19	11
	SMR	1.70	1.53	1.02	1.13	0.77		1.24	0.63
	CNTRL OBS	3	19	18	24	34		35	40
	SMR	0.43	0.97	0.76	0.90	1.17		1.10	0.91
ALL CANCER, EXCL LEUK	STUDY OBS	114	289	293	320	328		357	439
	SMR	1.04	1.01	0.95	0.97	0.92		0.89	0.94
	CNTRL OBS	210	604	693	608	695		812	918
	SMR	0.98	1.07	1.14	0.93	0.98		1.00	0.95
HODGKIN'S DISEASE	STUDY OBS	1	3	2	0	3		2	1
	SMR	1.46	1.67	1.04	0.00	1.52		1.13	0.69
	CNTRL OBS	1	2	5	10	3		5	4
	SMR	0.74	0.56	1.29	2.46	0.73		1.32	1.26
OTHER LYMPHOMA	STUDY OBS	3	5	3	8	5		11	11
	SMR	1.63	0.95	0.45	0.99	0.52		0.99	0.80
	CNTRL OBS	7	13	16	21	25		19	26
	SMR	1.92	1.24	1.18	1.27	1.27		0.80	0.88
MULTIPLE MYELOMA	STUDY OBS	2	4	7	5	3		7	3
	SMR	2.77	1.77	2.15	1.21	0.57		1.05	0.36
	CNTRL OBS	0	4	4	3	9		11	22
	SMR	0.00	0.90	0.63	0.37	0.89		0.84	1.33
DIGESTIVE ORGANS	STUDY OBS	49	125	121	130	115		111	127
	SMR	0.99	0.99	0.95	1.02	0.90		0.85	0.89
	CNTRL OBS	94	263	279	218	223		277	286
	SMR	0.97	1.06	1.11	0.87	0.89		1.05	0.98
STOMACH	STUDY OBS	20	32	33	24	23		23	17
	SMR	1.38	0.91	1.07	0.90	1.02		1.14	0.88
	CNTRL OBS	27	80	61	37	32		39	42
	SMR	0.96	1.17	1.03	0.73	0.75		1.00	1.11

Age at death: 60 plus

Palisades (1971)  
Van Buren, MI

		YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM									
STUDY	OBS	20	53	58	59	56	49	68	43
	SMR	1.00	1.02	1.06	1.03	0.93	0.76	0.96	0.99
CNTRL	OBS	40	99	120	112	108	141	136	94
	SMR	1.02	0.96	1.10	0.98	0.90	1.07	0.93	1.01
LIVER (PRIMARY)									
STUDY	OBS	5	16	14	19	3	5	4	4
	SMR	0.84	1.07	0.96	1.44	0.32	0.78	0.58	0.89
CNTRL	OBS	11	40	39	32	27	14	15	12
	SMR	0.95	1.36	1.36	1.23	1.48	1.11	1.09	1.31
TRACHEA, BRONCHUS, LUNG									
STUDY	OBS	8	29	33	54	66	79	123	77
	SMR	0.80	0.99	0.83	1.04	0.98	0.90	1.08	1.00
CNTRL	OBS	6	45	72	88	149	162	227	161
	SMR	0.30	0.78	0.91	0.84	1.09	0.89	0.93	0.94
BREAST (FEMALE)									
STUDY	OBS	5	22	21	14	20	26	32	24
	SMR	0.66	1.11	0.99	0.62	0.80	0.91	0.96	1.10
CNTRL	OBS	19	49	51	42	45	68	47	50
	SMR	1.30	1.25	1.21	0.92	0.88	1.14	0.67	1.05
THYROID									
STUDY	OBS	1	1	0	1	0	2	0	0
	SMR	2.04	0.77	0.00	0.79	0.00	1.61	0.00	0.00
CNTRL	OBS	1	3	4	1	3	3	3	1
	SMR	1.04	1.18	1.52	0.39	1.22	1.17	1.17	0.65
BONES & JOINTS									
STUDY	OBS	1	4	1	0	0	0	0	0
	SMR	1.12	1.85	0.54	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	1	4	3	4	1	5	6	0
	SMR	0.57	0.94	0.82	1.25	0.32	1.63	2.47	0.00
BLADDER									
STUDY	OBS	5	19	13	22	19	13	10	12
	SMR	1.12	1.64	1.07	1.75	1.44	0.94	0.68	1.37
CNTRL	OBS	11	27	42	18	30	29	35	24
	SMR	1.26	1.18	1.74	0.72	1.15	1.03	1.15	1.28
BRAIN & OTHER C.N.S.									
STUDY	OBS	0	4	4	3	7	6	6	5
	SMR	0.00	1.83	1.47	0.90	1.53	0.89	0.71	0.92
CNTRL	OBS	1	3	6	6	9	5	18	9
	SMR	0.63	0.68	1.07	0.86	0.92	0.34	0.96	0.72
BENIGN & UNSPEC NEOPLASMS									
STUDY	OBS	0	0	0	0	2	2	2	0
	SMR	0.00	0.00	0.00	0.00	1.12	0.44	0.59	0.00
CNTRL	OBS	0	0	0	0	1	7	5	0
	SMR	0.00	0.00	0.00	0.00	0.28	0.77	0.72	0.00

Age at death: all

Palisades (1971)  
Van Buren, MI

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	8	23	21	23	13	23	18	18
SHR	1.29	1.36	1.08	1.09	0.59	1.00	0.73	1.17
CNTRL OBS	7	33	39	51	55	46	55	31
SHR	0.54	0.93	0.97	1.17	1.21	0.96	1.06	0.93
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	151	372	394	423	443	489	569	376
SHR	1.02	0.96	0.95	0.96	0.93	0.92	0.95	0.99
CNTRL OBS	283	787	925	860	909	1073	1198	809
SHR	0.96	1.02	1.12	0.97	0.95	0.99	0.96	0.99
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	2	5	5	5	4	5	6	2
SHR	1.28	1.21	1.13	1.07	0.87	1.24	1.89	1.17
CNTRL OBS	3	6	12	14	6	11	5	3
SHR	0.90	0.69	1.28	1.43	0.62	1.30	0.74	0.79
<b>OTHER LYMPHOMA</b>								
STUDY OBS	6	8	8	18	9	14	13	16
SHR	1.95	0.93	0.76	1.45	0.63	0.88	0.70	1.29
CNTRL OBS	11	24	25	32	36	34	39	34
SHR	1.73	1.35	1.15	1.24	1.21	1.01	0.97	1.23
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	2	4	10	6	5	9	3	9
SHR	1.90	1.25	2.28	1.13	0.77	1.11	0.30	1.38
CNTRL OBS	2	6	10	8	12	15	29	12
SHR	0.96	0.95	1.17	0.77	0.96	0.94	1.48	0.91
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	57	147	143	154	144	135	158	99
SHR	0.93	0.94	0.92	0.99	0.93	0.85	0.93	0.95
CNTRL OBS	118	311	344	277	272	328	333	219
SHR	0.98	1.01	1.12	0.90	0.89	1.02	0.96	1.00
<b>STOMACH</b>								
STUDY OBS	21	35	37	27	24	27	22	17
SHR	1.21	0.83	1.02	0.86	0.89	1.12	0.95	1.27
CNTRL OBS	30	92	69	48	39	41	48	20
SHR	0.89	1.13	0.98	0.80	0.76	0.88	1.06	0.74

Age at death: all

Palisades (1971)  
Van Buren, MI

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM								
STUDY OBS	26	64	66	70	74	57	83	51
SMR	1.05	1.00	0.99	1.01	1.03	0.74	1.00	1.01
CNTRL OBS	54	115	155	137	129	170	160	112
SMR	1.10	0.90	1.16	0.98	0.88	1.07	0.93	1.04
LIVER (PRIMARY)								
STUDY OBS	6	19	20	19	4	5	5	6
SMR	0.81	1.02	1.13	1.18	0.34	0.61	0.58	1.08
CNTRL OBS	13	48	48	44	33	16	16	14
SMR	0.89	1.31	1.37	1.38	1.45	1.00	0.93	1.24
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	13	39	48	75	95	117	155	94
SMR	0.88	0.91	0.85	1.03	1.01	0.97	1.03	0.94
CNTRL OBS	9	62	104	131	198	223	297	206
SMR	0.30	0.72	0.91	0.88	1.03	0.89	0.92	0.93
BREAST (FEMALE)								
STUDY OBS	8	36	38	24	32	45	51	30
SMR	0.65	1.10	1.09	0.63	0.77	0.98	0.99	0.93
CNTRL OBS	30	70	80	77	71	98	81	67
SMR	1.20	1.06	1.12	0.99	0.82	1.01	0.74	0.94
THYROID								
STUDY OBS	1	1	0	1	0	2	0	0
SMR	1.53	0.59	0.00	0.62	0.00	1.30	0.00	0.00
CNTRL OBS	1	3	4	2	4	6	3	1
SMR	0.77	0.89	1.17	0.62	1.28	1.88	0.95	0.53
BONES & JOINTS								
STUDY OBS	1	4	3	0	1	3	2	1
SMR	0.72	1.18	0.99	0.00	0.37	1.13	0.93	1.03
CNTRL OBS	2	7	4	9	2	6	7	1
SMR	0.71	1.01	0.65	1.61	0.36	1.11	1.56	0.47
BLADDER								
STUDY OBS	8	20	14	22	20	15	11	12
SMR	1.55	1.50	1.03	1.57	1.37	0.98	0.69	1.26
CNTRL OBS	13	30	45	23	33	33	39	24
SMR	1.28	1.13	1.65	0.82	1.14	1.06	1.18	1.18
BRAIN & OTHER C.N.S.								
STUDY OBS	1	7	13	10	12	14	10	8
SMR	0.37	0.96	1.54	1.08	1.12	1.04	0.67	0.87
CNTRL OBS	3	12	11	24	28	20	37	18
SMR	0.51	0.76	0.61	1.21	1.22	0.70	1.14	0.86
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	2	5	2	0
SMR	0.00	0.00	0.00	0.00	0.70	0.71	0.41	0.00
CNTRL OBS	0	0	0	0	3	8	5	0
SMR	0.00	0.00	0.00	0.00	0.53	0.57	0.51	0.00



## Maine Yankee (1972)

[illegible]

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	0	0	0	0	1	0
SMR	0.00	2.05	0.00	0.00	0.00	0.00	2.74	0.00
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	1	0	0	0	0
SMR	0.00	0.00	0.00	9.57	0.00	0.00	0.00	0.00
BREAST (FEMALE)								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	1	0	0	0	0	0
SMR	0.00	1.52	1.67	0.00	0.00	0.00	0.00	0.00
BLADDER								
STUDY OBS	0	0	0	0	1	0	0	0
SMR	0.00	0.00	0.00	0.00	148.15	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	0	1	1	0	1	0	0	0
SMR	0.00	1.29	1.24	0.00	1.86	0.00	0.00	0.00
CNTRL OBS	4	5	11	4	4	7	2	1
SMR	1.02	0.71	1.49	0.64	0.84	1.94	0.65	0.82
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	1	0	0	0
SMR	0.00	0.00	0.00	0.00	7.68	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	2	5	0	0
SMR	0.00	0.00	0.00	0.00	1.74	3.43	0.00	0.00

Age at death: 10 to 19

Maine Yankee (1972)  
Lincoln, ME ; Sagadahoc, ME

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	0	0	0	0	0	0	1	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	1.31	0.00
CNTRL	OBS	0	3	12	12	9	8	7	0
	SMR	0.00	0.43	1.56	1.47	1.09	1.00	1.04	0.00
ALL CANCER, EXCL LEUK									
STUDY	OBS	1	1	2	2	1	0	3	1
	SMR	1.24	0.69	1.29	1.24	0.63	0.00	2.23	2.11
CNTRL	OBS	7	10	19	13	21	13	11	1
	SMR	0.97	0.76	1.32	0.84	1.36	0.91	0.93	0.24
HODGKIN'S DISEASE									
STUDY	OBS	0	0	1	0	0	0	1	0
	SMR	0.00	0.00	5.63	0.00	0.00	0.00	11.72	0.00
CNTRL	OBS	2	1	2	2	2	0	1	1
	SMR	2.58	0.69	1.21	1.17	1.43	0.00	1.29	3.64
OTHER LYMPHOMA									
STUDY	OBS	0	0	0	1	0	0	0	0
	SMR	0.00	0.00	0.00	4.01	0.00	0.00	0.00	0.00
CNTRL	OBS	1	2	0	0	5	2	2	0
	SMR	1.07	1.06	0.00	0.00	2.17	0.95	1.17	0.00
MULTIPLE MYELOMA									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	2	0	1	0	0
	SMR	0.00	0.00	0.00	3.16	0.00	1.60	0.00	0.00
STOMACH									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	1	0	0	0	0
	SMR	0.00	0.00	0.00	26.61	0.00	0.00	0.00	0.00

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>LIVER (PRIMARY)</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	1	0	1	0	0
SMR	0.00	0.00	0.00	3.87	0.00	3.89	0.00	0.00
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	0.00	6.86	0.00	0.00
<b>BREAST (FEMALE)</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>THYROID</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BONES &amp; JOINTS</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	3	1	3	3	4	2	2	0
SMR	2.15	0.40	1.13	1.06	1.36	0.76	0.93	0.00
<b>BLADDER</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	0	0	1	0	1	0	0	1
SMR	0.00	0.00	2.49	0.00	2.51	0.00	0.00	8.06
CNTRL OBS	1	1	8	4	3	3	3	0
SMR	0.57	0.30	2.14	1.07	0.78	0.80	0.98	0.00
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00

Age at death: 20 to 39

Maine Yankee (1972)  
Lincoln, ME ; Sagadahoc, ME

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	1	1	1	1	1	4	4	0
SMR	1.51	0.91	0.94	0.96	0.93	3.06	2.61	0.00
CNTRL OBS	8	12	10	11	4	14	17	5
SMR	1.22	1.12	0.99	1.13	0.41	1.23	1.34	0.91
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	10	9	8	18	8	7	14	5
SMR	1.64	0.92	0.85	1.97	0.89	0.69	1.20	0.97
CNTRL OBS	53	118	105	96	85	89	108	32
SMR	0.90	1.25	1.17	1.13	1.05	1.04	1.14	0.77
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	0	1	3	3	2	2	0
SMR	0.00	0.00	1.12	3.24	3.40	2.40	2.68	0.00
CNTRL OBS	4	7	10	8	8	9	5	4
SMR	0.78	0.83	1.18	0.93	0.99	1.25	0.81	1.63
<b>OTHER LYMPHOMA</b>								
STUDY OBS	0	0	0	1	0	1	0	0
SMR	0.00	0.00	0.00	1.84	0.00	1.52	0.00	0.00
CNTRL OBS	2	5	3	7	6	7	12	1
SMR	0.65	1.00	0.60	1.38	1.19	1.24	1.82	0.34
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	3	1	0	0	1	0	0	0
SMR	12.90	2.46	0.00	0.00	3.31	0.00	0.00	0.00
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	7	2	2	1	0	2	1	1
SMR	5.96	1.11	1.28	0.71	0.00	1.38	0.61	1.39
CNTRL OBS	10	34	22	11	15	13	18	5
SMR	0.90	1.98	1.48	0.85	1.28	1.08	1.37	0.87
<b>STOMACH</b>								
STUDY OBS	1	0	0	0	0	0	0	0
SMR	3.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	2	13	3	1	6	3	3	0
SMR	0.79	3.47	0.98	0.42	3.02	1.56	1.45	0.00

Age at death: 20 to 39

Maine Yankee (1972)  
Lincoln, ME ; Sagadahoc, ME

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY OBS	4	1	1	1	0	2	0	1
	SMR	6.73	1.10	1.28	1.43	0.00	2.75	0.00	2.86
	CNTRL OBS	6	15	15	6	5	5	7	3
LIVER (PRIMARY)	SMR	1.06	1.73	2.01	0.93	0.86	0.83	1.08	1.08
	STUDY OBS	1	1	1	0	0	0	0	0
	SMR	8.54	5.68	6.68	0.00	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG	CNTRL OBS	1	1	1	0	1	1	1	0
	SMR	0.89	0.59	0.70	0.00	0.93	0.90	0.75	0.00
	STUDY OBS	2	0	0	3	0	0	3	1
BREAST (FEMALE)	SMR	5.91	0.00	0.00	3.82	0.00	0.00	2.72	2.08
	CNTRL OBS	3	5	9	13	6	6	12	3
	SMR	0.94	0.86	1.34	1.79	0.79	0.74	1.39	0.80
THYROID	STUDY OBS	0	0	2	2	1	1	3	0
	SMR	0.00	0.00	1.50	1.58	0.81	0.70	1.63	0.00
	CNTRL OBS	4	9	9	12	11	15	11	4
BONES & JOINTS	SMR	0.51	0.69	0.71	1.01	0.98	1.24	0.75	0.59
	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BLADDER	CNTRL OBS	0	0	1	0	1	0	0	0
	SMR	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	1	0	0	0	0	0	0
BRAIN & OTHER C.N.S.	SMR	0.00	22.30	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	1	0	0	1	1	0	0
	SMR	0.00	2.35	0.00	0.00	3.67	3.96	0.00	0.00
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	1	0	0	1	1	1	1
	SMR	0.00	1.13	0.00	0.00	1.18	0.98	0.86	1.94
	CNTRL OBS	4	11	7	7	8	12	10	1
	SMR	0.77	1.29	0.85	0.93	1.04	1.39	1.05	0.24
	STUDY OBS	0	0	0	0	1	0	0	0
	SMR	0.00	0.00	0.00	0.00	4.75	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	3	8	1	0
	SMR	0.00	0.00	0.00	0.00	1.57	2.76	0.64	0.00



Age at death: 40 to 59

Maine Yankee (1972)  
Lincoln, ME ; Sagadahoc, ME

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	0	0	1	1	3	2	0	2
SMR	0.00	0.00	0.33	0.34	1.05	0.70	0.00	1.63
CNTRL OBS	21	22	24	23	13	17	27	12
SMR	1.29	0.81	0.89	0.87	0.50	0.66	1.05	1.16
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	50	82	93	110	91	124	97	46
SMR	1.09	1.04	1.15	1.30	1.03	1.35	1.02	1.19
CNTRL OBS	464	713	760	754	878	864	890	359
SMR	1.09	1.00	1.05	1.00	1.11	1.05	1.07	1.08
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	0	1	1	4	1	0	0
SMR	0.00	0.00	0.83	0.83	3.71	1.25	0.00	0.00
CNTRL OBS	7	17	12	7	18	10	4	1
SMR	1.13	1.59	1.12	0.65	1.84	1.40	0.79	0.55
<b>OTHER LYMPHOMA</b>								
STUDY OBS	2	7	0	3	2	6	3	0
SMR	1.62	3.11	0.00	1.06	0.69	2.05	0.97	0.00
CNTRL OBS	5	16	25	27	30	19	33	10
SMR	0.44	0.79	1.10	1.07	1.14	0.73	1.23	0.91
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	1	0	0	1	0	1	0	1
SMR	2.38	0.00	0.00	1.10	0.00	0.93	0.00	2.13
CNTRL OBS	3	6	12	5	8	13	11	2
SMR	0.78	0.82	1.46	0.62	0.93	1.35	1.10	0.50
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	11	22	19	22	23	23	22	14
SMR	0.75	0.93	0.85	1.02	1.11	1.14	1.10	1.75
CNTRL OBS	163	208	209	208	186	173	175	68
SMR	1.22	0.98	1.05	1.09	1.01	0.96	1.01	1.00
<b>STOMACH</b>								
STUDY OBS	3	3	6	3	5	2	4	0
SMR	0.86	0.58	1.42	0.86	1.65	0.74	1.58	0.00
CNTRL OBS	34	43	36	38	39	14	18	7
SMR	1.06	0.92	0.96	1.22	1.44	0.58	0.82	0.82

Age at death: 40 to 59

Maine Yankee (1972)  
Lincoln, ME ; Sagadahoc, ME

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	3	11	7	12	9	9	11	5
SMR	0.49	1.08	0.71	1.24	0.95	0.96	1.20	1.37
CNTRL OBS	75	101	101	104	80	90	82	42
SMR	1.32	1.10	1.15	1.21	0.94	1.07	1.02	1.36
<b>LIVER (PRIMARY)</b>								
STUDY OBS	4	4	1	2	0	2	0	0
SMR	2.21	1.44	0.41	0.97	0.00	1.89	0.00	0.00
CNTRL OBS	22	25	19	22	5	5	9	2
SMR	1.32	0.99	0.86	1.20	0.40	0.53	0.96	0.53
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	5	14	19	32	21	44	29	19
SMR	0.79	1.14	1.27	1.76	0.95	1.68	0.99	1.54
CNTRL OBS	51	112	133	158	220	260	272	135
SMR	0.89	1.03	1.01	0.99	1.12	1.12	1.06	1.29
<b>BREAST (FEMALE)</b>								
STUDY OBS	9	10	11	14	8	18	14	5
SMR	1.45	0.92	0.95	1.14	0.63	1.37	1.07	0.97
CNTRL OBS	56	102	101	104	122	118	119	36
SMR	0.96	1.02	0.96	0.94	1.05	0.99	1.02	0.79
<b>THYROID</b>								
STUDY OBS	0	0	0	0	0	0	1	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	5.09	0.00
CNTRL OBS	2	1	3	0	2	3	1	0
SMR	1.07	0.34	1.16	0.00	1.00	1.58	0.58	0.00
<b>BONES &amp; JOINTS</b>								
STUDY OBS	3	1	1	0	0	0	0	0
SMR	7.83	1.70	2.04	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	7	1	4	3	2	6	2	0
SMR	1.99	0.19	0.92	0.81	0.59	2.00	0.93	0.00
<b>BLADDER</b>								
STUDY OBS	0	2	1	2	1	4	2	1
SMR	0.00	1.41	0.79	1.69	0.88	3.66	1.96	2.51
CNTRL OBS	7	16	14	12	17	9	13	3
SMR	0.85	1.26	1.26	1.15	1.69	0.93	1.47	0.90
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	0	1	11	2	6	5	1	0
SMR	0.00	0.34	3.43	0.63	1.75	1.40	0.29	0.00
CNTRL OBS	13	24	33	26	30	41	40	12
SMR	0.84	0.89	1.16	0.92	0.97	1.28	1.32	1.00
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	3	3	1	0
SMR	0.00	0.00	0.00	0.00	3.62	2.59	1.77	0.00
CNTRL OBS	0	0	0	0	17	15	4	0
SMR	0.00	0.00	0.00	0.00	2.25	1.45	0.81	0.00

Age at death: 60 plus

Maine Yankee (1972)  
Lincoln, ME ; Sagadahoc, ME

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	4	3	7	13	15	6	13	5
SMR	0.77	0.31	0.62	1.03	1.12	0.41	0.80	0.71
CNTRL OBS	36	72	71	109	108	108	137	54
SMR	0.88	0.92	0.77	1.07	1.01	0.94	1.04	0.96
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	197	297	297	307	377	411	490	213
SMR	1.23	1.08	1.04	1.02	1.16	1.11	1.16	1.16
CNTRL OBS	1360	2419	2633	2628	2854	3236	3708	1638
SMR	1.08	1.09	1.13	1.07	1.10	1.11	1.09	1.12
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	1	2	1	5	8	0	1	2
SMR	1.02	1.16	0.56	2.67	4.29	0.00	0.75	3.85
CNTRL OBS	10	17	22	30	20	16	5	1
SMR	1.27	1.21	1.48	1.96	1.33	1.25	0.47	0.24
<b>OTHER LYMPHOMA</b>								
STUDY OBS	0	5	6	9	9	7	16	5
SMR	0.00	0.95	0.92	1.14	0.97	0.64	1.17	0.81
CNTRL OBS	23	40	60	53	71	89	106	65
SMR	1.08	0.93	1.12	0.82	0.95	1.02	0.96	1.32
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	2	0	2	3	3	7	3
SMR	0.00	0.89	0.00	0.53	0.64	0.50	0.97	0.95
CNTRL OBS	5	15	27	30	33	50	40	30
SMR	0.61	0.81	1.08	0.97	0.87	1.06	0.69	1.18
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	99	127	126	126	130	134	123	62
SMR	1.36	1.06	1.08	1.09	1.14	1.12	0.97	1.16
CNTRL OBS	610	1021	1095	1014	1000	1020	1117	478
SMR	1.07	1.06	1.14	1.08	1.10	1.08	1.09	1.11
<b>STOMACH</b>								
STUDY OBS	20	27	30	23	27	20	19	8
SMR	0.95	0.85	1.13	1.04	1.46	1.19	1.20	1.25
CNTRL OBS	136	250	248	178	149	140	117	52
SMR	0.83	0.99	1.15	1.00	1.01	1.06	0.92	1.01

Age at death: 60 plus

Maine Yankee (1972)  
Lincoln, ME ; Sagadahoc, ME

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM								
STUDY OBS	49	60	68	60	73	71	59	24
SMR	1.64	1.18	1.31	1.12	1.31	1.17	0.91	0.88
CNTRL OBS	294	491	546	500	527	559	572	251
SMR	1.25	1.20	1.27	1.14	1.18	1.16	1.10	1.15
LIVER (PRIMARY)								
STUDY OBS	13	9	6	12	8	4	2	3
SMR	1.47	0.63	0.45	1.06	1.09	0.72	0.34	1.16
CNTRL OBS	75	102	114	109	45	28	36	28
SMR	1.07	0.88	1.02	1.17	0.76	0.64	0.75	1.36
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	11	30	41	60	74	97	108	59
SMR	0.79	1.05	1.09	1.21	1.15	1.16	1.02	1.24
CNTRL OBS	108	225	341	414	531	694	959	404
SMR	0.98	0.98	1.12	1.05	1.06	1.07	1.14	1.08
BREAST (FEMALE)								
STUDY OBS	13	22	20	18	19	29	42	22
SMR	1.12	1.10	0.97	0.81	0.78	1.03	1.29	1.57
CNTRL OBS	111	182	205	190	223	286	292	121
SMR	1.16	1.07	1.14	1.00	1.08	1.23	1.08	1.04
THYROID								
STUDY OBS	2	1	1	2	3	0	3	0
SMR	2.73	0.79	0.81	1.72	2.64	0.00	2.64	0.00
CNTRL OBS	5	7	14	5	12	4	10	4
SMR	0.84	0.67	1.34	0.51	1.28	0.43	1.08	1.07
BONES & JOINTS								
STUDY OBS	1	2	1	1	2	0	0	1
SMR	0.77	1.01	0.61	0.69	1.40	0.00	0.00	3.29
CNTRL OBS	11	18	17	14	6	11	7	3
SMR	1.08	1.14	1.27	1.18	0.53	1.05	0.92	1.23
BLADDER								
STUDY OBS	3	11	10	5	19	15	24	10
SMR	0.45	0.98	0.88	0.43	1.58	1.17	1.83	1.83
CNTRL OBS	56	89	101	119	114	129	125	59
SMR	1.11	1.01	1.11	1.30	1.22	1.30	1.19	1.36
BRAIN & OTHER C.N.S.								
STUDY OBS	1	1	2	3	4	9	11	3
SMR	0.92	0.47	0.74	0.90	0.82	1.33	1.34	0.85
CNTRL OBS	8	16	27	40	42	56	70	25
SMR	0.88	0.90	1.20	1.46	1.07	1.04	1.06	0.88
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	6	7	2	1
SMR	0.00	0.00	0.00	0.00	2.50	1.74	0.80	1.62
CNTRL OBS	0	0	0	0	19	50	17	3
SMR	0.00	0.00	0.00	0.00	0.99	1.56	0.83	0.60

Age at death: all

Maine Yankee (1972)  
Lincoln, ME ; Sagadahoc, ME

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	6	5	13	16	22	15	18	8
SMR	0.66	0.30	0.72	0.83	1.12	0.72	0.81	0.84
CNTRL OBS	71	121	134	173	147	156	194	71
SMR	0.92	0.86	0.87	1.07	0.90	0.92	1.06	0.93
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	258	391	402	438	478	542	606	265
SMR	1.20	1.07	1.06	1.10	1.12	1.14	1.14	1.16
CNTRL OBS	1894	3271	3534	3504	3845	4210	4722	2031
SMR	1.07	1.07	1.11	1.05	1.10	1.09	1.09	1.10
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	1	2	5	9	15	3	4	2
SMR	0.44	0.50	1.22	2.14	3.77	0.89	1.45	1.87
CNTRL OBS	23	42	47	47	48	35	15	7
SMR	1.14	1.20	1.31	1.28	1.40	1.24	0.66	0.80
<b>OTHER LYMPHOMA</b>								
STUDY OBS	2	12	6	14	11	14	19	5
SMR	0.45	1.41	0.60	1.19	0.83	0.94	1.07	0.63
CNTRL OBS	33	64	88	88	113	117	153	76
SMR	0.87	0.88	1.02	0.89	1.03	0.96	1.05	1.18
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	1	2	0	3	3	4	7	4
SMR	0.69	0.64	0.00	0.64	0.53	0.57	0.83	1.09
CNTRL OBS	11	22	39	35	42	63	51	32
SMR	0.90	0.84	1.16	0.89	0.90	1.10	0.74	1.08
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	117	152	147	149	153	159	146	77
SMR	1.32	1.04	1.04	1.08	1.13	1.13	0.98	1.23
CNTRL OBS	783	1264	1326	1235	1201	1207	1311	551
SMR	1.09	1.06	1.13	1.08	1.08	1.06	1.08	1.09
<b>STOMACH</b>								
STUDY OBS	24	30	36	26	32	22	23	8
SMR	0.97	0.80	1.16	1.01	1.47	1.11	1.24	1.06
CNTRL OBS	172	306	287	218	194	157	138	59
SMR	0.87	1.01	1.12	1.03	1.10	0.99	0.91	0.97

Age at death: all

Maine Yankee (1972)  
Lincoln, ME ; Sagadahoc, ME

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY OBS	56	72	76	73	82	82	70	30
	SMR	1.53	1.16	1.21	1.14	1.24	1.16	0.94	0.96
	CNTRL OBS	375	607	662	610	612	654	661	296
	SMR	1.26	1.19	1.26	1.15	1.14	1.14	1.09	1.17
LIVER (PRIMARY)	STUDY OBS	18	14	8	14	8	6	2	3
	SMR	1.67	0.81	0.50	1.03	0.89	0.88	0.27	0.96
	CNTRL OBS	98	129	134	132	51	35	47	30
	SMR	1.11	0.90	0.99	1.16	0.69	0.64	0.79	1.19
TRACHEA, BRONCHUS, LUNG	STUDY OBS	18	44	60	95	95	141	140	79
	SMR	0.87	1.06	1.13	1.39	1.09	1.27	1.03	1.31
	CNTRL OBS	162	342	483	586	757	961	1243	542
	SMR	0.94	0.99	1.09	1.05	1.07	1.08	1.12	1.12
BREAST (FEMALE)	STUDY OBS	22	32	33	34	28	48	59	27
	SMR	1.18	0.99	0.98	0.95	0.73	1.12	1.24	1.35
	CNTRL OBS	171	293	315	306	356	419	422	161
	SMR	1.05	1.03	1.06	0.98	1.07	1.15	1.05	0.95
THYROID	STUDY OBS	2	1	1	2	3	0	4	0
	SMR	2.08	0.61	0.64	1.38	2.16	0.00	2.93	0.00
	CNTRL OBS	7	8	18	5	15	7	11	4
	SMR	0.87	0.58	1.34	0.41	1.29	0.61	0.98	0.89
BONES & JOINTS	STUDY OBS	4	3	2	1	2	0	0	1
	SMR	1.99	0.97	0.76	0.42	0.86	0.00	0.00	1.72
	CNTRL OBS	21	24	26	20	12	21	15	4
	SMR	1.26	0.92	1.15	0.98	0.61	1.14	1.06	0.83
BLADDER	STUDY OBS	3	14	11	7	21	19	26	11
	SMR	0.40	1.10	0.87	0.55	1.60	1.37	1.84	1.87
	CNTRL OBS	63	106	115	131	132	139	138	62
	SMR	1.06	1.05	1.12	1.28	1.27	1.27	1.21	1.33
BRAIN & OTHER C.N.S.	STUDY OBS	1	4	15	5	13	15	13	5
	SMR	0.25	0.56	1.88	0.59	1.29	1.23	0.95	0.87
	CNTRL OBS	30	57	86	81	87	119	125	39
	SMR	0.85	0.90	1.22	1.11	1.01	1.17	1.12	0.83
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	11	10	3	1
	SMR	0.00	0.00	0.00	0.00	3.00	1.71	0.88	1.27
	CNTRL OBS	0	0	0	0	41	79	22	3
	SMR	0.00	0.00	0.00	0.00	1.33	1.65	0.79	0.47





Age at death: under 10

Pilgrim 1 (1972)  
Plymouth, MA

Table 2-C.7

	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)								
STUDY OBS	0	0	1	0	0	1	0	0
SMR	0.00	0.00	2.54	0.00	0.00	2.81	0.00	0.00
CNTRL OBS	0	0	1	0	0	0	0	0
SMR	0.00	0.00	0.69	0.00	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	1	0	0	0	0	0
SMR	0.00	0.00	2.93	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID								
STUDY OBS	0	1	0	0	0	0	0	0
SMR	0.00	65.36	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	0	0	0	0	0	0
SMR	0.00	15.41	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS								
STUDY OBS	0	1	0	0	0	1	0	0
SMR	0.00	2.45	0.00	0.00	0.00	2.77	0.00	0.00
CNTRL OBS	2	0	3	1	0	1	0	1
SMR	1.99	0.00	1.88	0.65	0.00	1.02	0.00	3.76
BLADDER								
STUDY OBS	1	0	0	0	0	0	0	0
SMR	22.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	3	2	10	7	4	3	2	2
SMR	1.41	0.46	1.88	1.33	0.86	0.83	0.65	1.65
CNTRL OBS	13	15	12	24	9	7	9	1
SMR	1.30	0.82	0.60	1.39	0.66	0.71	1.11	0.31
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	2	1	0	0
SMR	0.00	0.00	0.00	0.00	1.75	0.69	0.00	0.00
CNTRL OBS	0	0	0	0	8	4	1	1
SMR	0.00	0.00	0.00	0.00	2.43	1.01	0.56	2.55

Table 2-C.7

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA								
	STUDY OBS	2	1	5	6	7	3	7
	SMR	1.13	0.26	1.03	1.00	1.02	0.42	1.08
	CNTRL OBS	10	18	22	24	27	25	27
	SMR	1.09	1.02	1.10	1.08	1.15	1.14	1.49
ALL CANCER, EXCL LEUK								
	STUDY OBS	2	5	10	7	21	5	9
	SMR	0.58	0.70	1.11	0.62	1.66	0.39	0.79
	CNTRL OBS	12	28	27	41	39	29	29
	SMR	0.67	0.84	0.72	0.96	0.89	0.74	0.90
HODGKIN'S DISEASE								
	STUDY OBS	0	0	0	0	5	0	2
	SMR	0.00	0.00	0.00	0.00	4.51	0.00	2.77
	CNTRL OBS	2	3	3	7	7	3	1
	SMR	1.04	0.82	0.70	1.49	1.75	1.08	0.47
OTHER LYMPHOMA								
	STUDY OBS	0	0	2	2	8	0	3
	SMR	0.00	0.00	1.45	1.15	4.21	0.00	1.84
	CNTRL OBS	2	3	2	5	6	4	3
	SMR	0.86	0.63	0.35	0.77	0.91	0.69	0.65
MULTIPLE MYELOMA								
	STUDY OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS								
	STUDY OBS	0	0	0	0	1	0	0
	SMR	0.00	0.00	0.00	0.00	1.99	0.00	0.00
	CNTRL OBS	1	2	2	2	1	1	0
	SMR	0.84	1.10	1.20	1.14	0.56	0.57	0.00
STOMACH								
	STUDY OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	0	0	0	0	1	0	0	0
SMR	0.00	0.00	0.00	0.00	6.67	0.00	0.00	0.00
CNTRL OBS	0	1	1	0	0	0	0	0
SMR	0.00	1.26	1.70	0.00	0.00	0.00	0.00	0.00
<b>LIVER (PRIMARY)</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	1	0	0	1	1	1	0	0
SMR	4.42	0.00	0.00	1.40	1.42	1.41	0.00	0.00
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	0	1	0	0	2	0
SMR	0.00	2.10	0.00	2.61	0.00	0.00	7.00	0.00
<b>BREAST (FEMALE)</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>THYROID</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	0	0	0	0	0	0
SMR	0.00	10.43	0.00	0.00	0.00	0.00	0.00	0.00
<b>BONES &amp; JOINTS</b>								
STUDY OBS	0	1	2	1	1	1	0	1
SMR	0.00	0.74	1.22	0.49	0.42	0.42	0.00	1.40
CNTRL OBS	1	7	6	8	9	4	7	2
SMR	0.29	1.10	0.87	1.03	1.07	0.55	1.20	0.98
<b>BLADDER</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	1	0	0	1	0	0	0	0
SMR	50.25	0.00	0.00	36.19	0.00	0.00	0.00	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	1	1	3	1	2	2	2	0
SMR	1.19	0.55	1.27	0.36	0.62	0.59	0.67	0.00
CNTRL OBS	2	6	7	5	6	11	5	0
SMR	0.46	0.72	0.72	0.49	0.55	1.07	0.60	0.00
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	2	5	1	0
SMR	0.00	0.00	0.00	0.00	0.77	1.47	0.82	0.00

Age at death: 20 to 39

Pilgrim 1 (1972)  
Plymouth, MA

		YEARS BEFORE STARTUP		YEARS AFTER STARTUP			
		1963-67	1968-72	1973-77	1978-82	1983-84	
LEUKEMIA & ALEUKEMIA							
STUDY OBS	3		11	8	14	1	
SMR	0.82	6	1.28	0.79	1.21	0.21	
CNTRL OBS	17	0.79	27	29	33	19	
SMR	0.85	0.74	0.94	0.95	1.00	1.40	
ALL CANCER, EXCL LEUK							
STUDY OBS	30	59	65	103	82	54	
SMR	0.89	0.87	0.90	1.28	0.90	1.38	
CNTRL OBS	178	235	233	213	228	93	
SMR	0.99	0.95	1.00	0.93	0.93	0.90	
HODGKIN'S DISEASE							
STUDY OBS	6	8	13	8	4	4	
SMR	2.11	1.18	1.85	1.25	0.72	1.86	
CNTRL OBS	17	23	28	17	23	4	
SMR	1.08	0.92	1.19	0.88	1.44	0.66	
OTHER LYMPHOMA							
STUDY OBS	1	5	1	4	6	2	
SMR	0.58	1.25	0.23	0.78	0.98	0.75	
CNTRL OBS	11	16	17	9	17	9	
SMR	1.17	1.08	1.16	0.60	1.00	1.24	
MULTIPLE MYELOMA							
STUDY OBS	0	0	0	0	1	1	
SMR	0.00	0.00	0.00	0.00	2.51	5.73	
CNTRL OBS	0	0	2	0	1	0	
SMR	0.00	0.00	2.29	0.00	0.98	0.00	
DIGESTIVE ORGANS							
STUDY OBS	5	7	11	9	17	6	
SMR	0.77	0.66	1.03	0.78	1.31	1.08	
CNTRL OBS	56	42	41	27	27	15	
SMR	1.64	1.10	1.21	0.83	0.79	1.05	
STOMACH							
STUDY OBS	4	2	3	2	3	0	
SMR	2.69	1.01	1.63	1.06	1.44	0.00	
CNTRL OBS	15	5	7	4	6	2	
SMR	1.93	0.71	1.22	0.76	1.10	0.87	

		YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY	1	8	4	1	7	3	9	3
	OBS	0.31	1.46	0.76	0.19	1.33	0.52	1.41	1.13
	CNTRL	27	22	24	23	18	13	11	4
	SHR	1.56	0.84	1.09	1.22	1.08	0.80	0.65	0.58
LIVER (PRIMARY)	STUDY	0	1	0	1	0	2	2	2
	OBS	0.00	0.92	0.00	0.98	0.00	1.90	1.52	3.39
	CNTRL	7	2	3	2	3	4	4	2
	SHR	2.03	0.39	0.71	0.54	0.95	1.30	1.12	1.29
TRACHEA, BRONCHUS, LUNG	STUDY	0	3	7	10	4	12	6	3
	OBS	0.00	0.80	1.44	1.68	0.58	1.52	0.68	0.81
	CNTRL	5	17	18	14	9	22	22	10
	SHR	0.51	0.96	0.90	0.66	0.42	1.01	0.98	1.07
BREAST (FEMALE)	STUDY	4	5	18	10	7	15	14	12
	OBS	0.87	0.61	2.01	1.07	0.70	1.27	0.93	1.77
	CNTRL	27	42	39	37	32	23	38	16
	SHR	1.12	1.07	1.03	1.08	1.02	0.71	0.99	0.94
THYROID	STUDY	0	1	0	0	0	0	0	1
	OBS	0.00	4.83	0.00	0.00	0.00	0.00	0.00	10.35
	CNTRL	3	0	0	2	1	0	1	0
	SHR	4.93	0.00	0.00	2.41	1.38	0.00	1.65	0.00
BONES & JOINTS	STUDY	1	1	0	2	3	3	0	1
	OBS	1.52	0.92	0.00	1.82	2.33	1.92	0.00	1.46
	CNTRL	4	5	4	5	4	4	2	1
	SHR	1.08	0.91	0.88	1.15	0.86	0.80	0.38	0.48
BLADDER	STUDY	1	2	0	0	1	1	0	0
	OBS	5.30	7.18	0.00	0.00	4.01	4.10	0.00	0.00
	CNTRL	0	1	2	3	1	1	2	1
	SHR	0.00	0.77	1.93	3.39	1.29	1.47	2.64	2.86
BRAIN & OTHER C.N.S.	STUDY	3	4	5	5	7	7	6	3
	OBS	1.03	0.76	0.88	0.84	1.03	0.89	0.68	0.80
	CNTRL	10	21	18	16	25	22	18	7
	SHR	0.63	0.83	0.75	0.74	1.13	0.95	0.74	0.68
BENIGN & UNSPEC NEOPLASMS	STUDY	0	0	0	0	2	2	2	0
	OBS	0.00	0.00	0.00	0.00	1.17	0.75	1.36	0.00
	CNTRL	0	0	0	0	6	8	1	1
	SHR	0.00	0.00	0.00	0.00	1.08	1.02	0.24	1.19



Age at death: 40 to 59

Pilgrim 1 (1972)  
Plymouth, MA

		YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA									
	STUDY	10	14	18	15	15	18	17	9
	SMR	1.09	0.86	1.04	0.79	0.74	0.85	0.78	1.04
	CNTRL	38	77	61	85	62	55	69	23
	SMR	0.81	0.98	0.78	1.06	0.78	0.73	0.98	0.85
ALL CANCER, EXCL LEUK									
	STUDY	242	395	505	534	692	659	696	351
	SMR	1.00	0.92	1.09	0.99	1.11	0.98	1.00	1.28
	CNTRL	1297	2213	2150	2242	2408	2467	2370	921
	SMR	1.05	1.07	1.02	0.98	0.98	1.01	1.03	1.06
HODGKIN'S DISEASE									
	STUDY	3	8	10	13	14	5	7	4
	SMR	0.86	1.24	1.42	1.65	1.80	0.84	1.63	2.57
	CNTRL	24	36	34	37	53	20	21	4
	SMR	1.35	1.16	1.08	1.14	1.77	0.96	1.54	0.85
OTHER LYMPHOMA									
	STUDY	7	16	8	15	24	15	15	12
	SMR	1.10	1.31	0.55	0.83	1.17	0.71	0.67	1.33
	CNTRL	33	56	72	63	80	75	81	31
	SMR	1.02	0.95	1.09	0.83	0.99	0.98	1.11	1.09
MULTIPLE MYELOMA									
	STUDY	1	4	4	3	10	10	6	2
	SMR	0.45	0.91	0.75	0.51	1.47	1.25	0.70	0.60
	CNTRL	10	31	19	23	19	35	24	8
	SMR	0.89	1.46	0.79	0.94	0.71	1.21	0.85	0.75
DIGESTIVE ORGANS									
	STUDY	95	132	153	128	148	167	150	56
	SMR	1.24	1.03	1.20	0.93	1.02	1.12	1.02	0.98
	CNTRL	478	722	627	668	614	615	525	208
	SMR	1.23	1.17	1.09	1.16	1.07	1.14	1.08	1.16
STOMACH									
	STUDY	24	21	31	23	19	21	22	5
	SMR	1.29	0.74	1.27	1.02	0.88	1.04	1.17	0.69
	CNTRL	130	177	124	127	104	112	82	33
	SMR	1.40	1.31	1.14	1.35	1.23	1.55	1.34	1.46

Age at death: 40 to 59

Pilgrim 1 (1972)  
Plymouth, MA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY OBS	41	76	71	56	78	83	68	23
	SMR	1.27	1.38	1.27	0.92	1.18	1.22	1.02	0.90
	CNTRL OBS	219	342	282	313	262	291	218	89
LIVER (PRIMARY)	STUDY OBS	11	12	17	7	1	5	7	2
	SMR	1.15	0.79	1.21	0.53	0.10	0.63	0.87	0.61
	CNTRL OBS	53	80	53	59	30	22	31	7
TRACHEA, BRONCHUS, LUNG	STUDY OBS	22	52	75	108	164	156	199	117
	SMR	0.67	0.79	0.88	0.93	1.05	0.81	0.93	1.35
	CNTRL OBS	144	312	342	425	577	628	668	269
BREAST (FEMALE)	STUDY OBS	34	60	94	81	108	93	108	63
	SMR	1.04	1.01	1.42	1.03	1.21	0.98	1.14	1.70
	CNTRL OBS	176	323	323	333	380	381	335	133
THYROID	STUDY OBS	0	3	1	2	3	1	1	2
	SMR	0.00	1.71	0.61	1.25	1.91	0.64	0.70	3.77
	CNTRL OBS	5	12	3	3	2	8	3	2
BONES & JOINTS	STUDY OBS	2	4	5	4	3	2	1	0
	SMR	1.00	1.25	1.78	1.50	1.12	0.81	0.55	0.00
	CNTRL OBS	10	21	8	13	8	11	2	2
BLADDER	STUDY OBS	2	8	10	6	10	9	7	4
	SMR	0.42	1.05	1.40	0.80	1.26	1.13	0.95	1.46
	CNTRL OBS	34	35	29	31	27	34	33	14
BRAIN & OTHER C.N.S.	STUDY OBS	5	11	18	18	29	21	26	9
	SMR	0.58	0.68	0.98	0.88	1.19	0.81	1.03	0.90
	CNTRL OBS	41	78	79	62	91	82	82	35
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	6	9	4	2
	SMR	0.00	0.00	0.00	0.00	0.99	1.05	0.95	2.51
	CNTRL OBS	0	0	0	0	29	38	10	3
	STUDY OBS	0.00	0.00	0.00	0.00	1.24	1.24	0.73	1.21
	SMR								
	CNTRL OBS								

Age at death: 60 plus

Pilgrim 1 (1972)  
Plymouth, MA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	20	45	46	61	54	65	67	38
SMR	0.85	0.97	0.82	0.94	0.76	0.82	0.72	0.93
CNTRL OBS	79	193	197	236	266	277	330	127
SMR	0.78	0.97	0.83	0.88	0.93	0.91	0.97	0.87
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	727	1422	1575	1698	1899	2179	2648	1207
SMR	1.00	1.08	1.10	1.08	1.10	1.07	1.08	1.12
CNTRL OBS	3482	6187	6532	6824	7420	8510	9451	4252
SMR	1.12	1.11	1.08	1.05	1.05	1.09	1.06	1.10
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	7	9	12	9	7	13	8	2
SMR	1.53	1.08	1.32	0.92	0.70	1.47	1.03	0.65
CNTRL OBS	31	54	47	55	50	38	35	11
SMR	1.55	1.48	1.19	1.33	1.22	1.11	1.24	1.00
<b>OTHER LYMPHOMA</b>								
STUDY OBS	8	24	30	42	59	78	68	41
SMR	0.65	0.94	0.91	1.02	1.19	1.29	0.86	1.14
CNTRL OBS	52	88	129	150	180	222	265	133
SMR	0.97	0.80	0.91	0.86	0.89	0.95	0.92	1.03
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	7	9	25	24	24	35	26	25
SMR	1.48	0.81	1.61	1.21	0.94	1.05	0.61	1.32
CNTRL OBS	21	57	74	81	92	133	134	64
SMR	1.01	1.18	1.11	0.97	0.89	1.05	0.87	0.95
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	337	665	644	694	723	754	841	332
SMR	1.03	1.17	1.10	1.16	1.19	1.14	1.14	1.05
CNTRL OBS	1649	2790	2884	2813	2783	3043	3155	1353
SMR	1.18	1.15	1.16	1.13	1.13	1.20	1.17	1.20
<b>STOMACH</b>								
STUDY OBS	95	158	137	128	129	114	105	39
SMR	1.01	1.06	1.03	1.12	1.31	1.23	1.14	1.03
CNTRL OBS	446	769	702	568	552	522	474	202
SMR	1.13	1.22	1.27	1.21	1.39	1.48	1.42	1.51

Age at death: 60 plus

Pilgrim 1 (1972)  
Plymouth, MA

		YEARS BEFORE STARTUP			YEARS AFTER STARTUP		
		1963-67	1968-72	1973-77	1978-82	1983-84	
COLON & RECTUM							
STUDY	OBS					161	
	SMR			396	456	1.22	
CNTRL	OBS		374	1.18	1.22	1.01	
	SMR		1.25	1543	1662	674	
LIVER (PRIMARY)				1.20	1.22	1.19	
STUDY	OBS						
	SMR		38	30	26	12	
CNTRL	OBS		0.96	0.98	0.75	0.78	
	SMR		101	112	109	48	
TRACHEA, BRONCHUS, LUNG				0.96	0.86	0.89	
STUDY	OBS						
	SMR		0.63				
CNTRL	OBS		310	438	608	327	
	SMR		0.94	0.97	0.99	1.17	
CNTRL	OBS		1331	1607	2067	984	
	SMR		0.98	0.93	0.93	0.99	
BREAST (FEMALE)							
STUDY	OBS						
	SMR		153	177	222	116	
CNTRL	OBS		1.10	1.08	1.13	1.36	
	SMR		627	767	829	394	
THYROID				1.21	1.14	1.26	
STUDY	OBS						
	SMR		7	3	7	1	
CNTRL	OBS		1.12	0.46	1.05	0.37	
	SMR		18	21	33	7	
BONES & JOINTS				0.83	1.36	0.72	
STUDY	OBS						
	SMR		7	6	4	2	
CNTRL	OBS		0.93	0.82	0.73	1.12	
	SMR		33	32	25	1	
BLADDER				1.14	1.25	0.16	
STUDY	OBS						
	SMR		80	75	87	40	
CNTRL	OBS		1.29	1.10	1.18	1.29	
	SMR		247	293	297	128	
BRAIN & OTHER C.N.S.				1.12	1.10	1.16	
STUDY	OBS						
	SMR		17	43	45	14	
CNTRL	OBS		0.65	1.14	0.94	0.66	
	SMR		109	160	148	84	
BENIGN & UNSPEC NEOPLASMS				1.10	0.84	1.11	
STUDY	OBS						
	SMR		16	33	19	3	
CNTRL	OBS		1.23	1.47	1.29	0.82	
	SMR		65	141	47	19	
				1.64	0.88	1.45	

Age at death: all

Pilgrim 1 (1972)  
Plymouth, MA

		YEARS BEFORE STARTUP		YEARS AFTER STARTUP			
		1963-67	1968-72	1973-77	1978-82	1983-84	
1950-52		1953-57		1958-62			
LEUKEMIA & ALEUKEMIA							
STUDY OBS	39	76		87			51
SMR	0.90	0.91		0.89			0.87
CNTRL OBS	170	351		350			178
SMR	0.84	0.95		0.85			0.90
ALL CANCER, EXCL LEUK							
STUDY OBS	1008	1893		2183			1619
SMR	1.00	1.04		1.10			1.16
CNTRL OBS	4996	8745		9008			5278
SMR	1.10	1.09		1.06			1.09
HODGKIN'S DISEASE							
STUDY OBS	16	22		32			10
SMR	1.40	1.05		1.38			1.42
CNTRL OBS	74	130		118			20
SMR	1.32	1.34		1.18			0.89
OTHER LYMPHOMA							
STUDY OBS	16	43		44			57
SMR	0.74	0.99		0.81			1.18
CNTRL OBS	101	172		232			175
SMR	1.00	0.88		0.99			1.05
MULTIPLE MYELOMA							
STUDY OBS	8	13		29			28
SMR	1.13	0.82		1.37			1.25
CNTRL OBS	31	90		93			73
SMR	0.94	1.27		1.01			0.93
DIGESTIVE ORGANS							
STUDY OBS	437	815		804			395
SMR	1.06	1.15		1.11			1.04
CNTRL OBS	2185	3568		3552			1576
SMR	1.20	1.15		1.14			1.19
STOMACH							
STUDY OBS	123	184		170			45
SMR	1.08	1.02		1.07			0.98
CNTRL OBS	591	962		834			237
SMR	1.19	1.24		1.24			1.49

Age at death: all

Pilgrim 1 (1972)  
Plymouth, MA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM								
	STUDY	200	394	383	393	460	533	187
	SMR	1.17	1.30	1.19	1.14	1.24	1.19	1.00
CNTRL								
	OBS	995	1610	1622	1700	1665	1891	767
	SMR	1.32	1.22	1.18	1.18	1.12	1.18	1.17
LIVER (PRIMARY)								
	STUDY	39	88	83	82	39	35	16
	SMR	0.77	1.03	0.99	1.10	0.77	0.78	0.82
CNTRL								
	OBS	227	370	343	331	135	144	57
	SMR	1.00	0.99	0.95	1.07	0.66	0.91	0.86
TRACHEA, BRONCHUS, LUNG								
	STUDY	67	186	280	356	478	813	447
	SMR	0.68	0.91	1.01	0.96	0.97	0.97	1.21
CNTRL								
	OBS	388	904	1108	1413	1917	2759	1263
	SMR	0.86	0.98	0.92	0.91	0.97	0.94	0.99
BREAST (FEMALE)								
	STUDY	98	171	244	224	268	344	191
	SMR	1.05	1.01	1.31	1.06	1.12	1.12	1.48
CNTRL								
	OBS	477	850	947	912	1039	1202	543
	SMR	1.09	1.10	1.15	1.02	1.08	1.11	1.21
THYROID								
	STUDY	6	14	11	9	10	8	4
	SMR	1.30	1.71	1.32	1.11	1.24	0.96	1.19
CNTRL								
	OBS	20	49	29	16	21	37	9
	SMR	0.96	1.35	0.81	0.47	0.64	1.24	0.77
BONES & JOINTS								
	STUDY	11	17	15	20	14	5	4
	SMR	1.17	1.10	1.07	1.45	0.97	0.44	1.04
CNTRL								
	OBS	41	80	69	61	54	36	7
	SMR	0.95	1.16	1.15	1.08	0.97	0.95	0.56
BLADDER								
	STUDY	49	68	63	78	91	94	44
	SMR	1.45	1.14	1.01	1.19	1.30	1.15	1.30
CNTRL								
	OBS	211	293	312	305	275	332	143
	SMR	1.44	1.15	1.18	1.13	0.98	1.13	1.19
BRAIN & OTHER C.N.S.								
	STUDY	16	32	57	45	59	81	28
	SMR	0.80	0.84	1.25	0.87	0.91	0.92	0.76
CNTRL								
	OBS	87	166	163	170	240	262	127
	SMR	0.88	0.93	0.82	0.81	0.96	0.88	1.03
BENIGN & UNSPEC NEOPLASMS								
	STUDY	0	0	0	0	26	25	5
	SMR	0.00	0.00	0.00	0.00	1.15	1.17	1.01
CNTRL								
	OBS	0	0	0	0	110	60	24
	SMR	0.00	0.00	0.00	0.00	1.26	0.81	1.42





Age at death: under 10

Quad Cities 1,2 (1972)  
Rock Island, IL ; Whiteside, IL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)	STUDY OBS	0	0	1	0	0	1	2	0
	SMR	0.00	0.00	3.08	0.00	0.00	4.83	9.57	0.00
	CNTRL OBS	0	0	1	3	0	1	2	0
	SMR	0.00	0.00	1.04	3.57	0.00	1.58	3.15	0.00
TRACHEA, BRONCHUS, LUNG	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	1	0	0	0
	SMR	0.00	0.00	0.00	0.00	76.22	0.00	0.00	0.00
THYROID	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS	STUDY OBS	0	0	0	1	0	1	0	0
	SMR	0.00	0.00	0.00	2.98	0.00	4.93	0.00	0.00
	CNTRL OBS	0	1	0	1	0	1	0	0
	SMR	0.00	0.94	0.00	1.01	0.00	1.63	0.00	0.00
BLADDER	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	1	0	0	0	0
	SMR	0.00	0.00	0.00	7.17	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.	STUDY OBS	1	3	6	8	4	0	3	1
	SMR	0.48	0.76	1.35	2.12	1.39	0.00	1.76	1.52
	CNTRL OBS	7	10	14	23	5	7	9	2
	SMR	1.21	0.88	1.07	2.05	0.58	1.11	1.70	1.00
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	2	0	0	0
	SMR	0.00	0.00	0.00	0.00	2.89	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	2	6	0	1
	SMR	0.00	0.00	0.00	0.00	0.96	2.31	0.00	3.94



		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY OBS	0	0	0	1	0	0	0	0
	SMR	0.00	0.00	0.00	8.98	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	2	0	1	1	0
	SMR	0.00	0.00	0.00	5.86	0.00	2.66	3.46	0.00
LIVER (PRIMARY)	STUDY OBS	0	0	0	0	0	1	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	7.03	0.00	0.00
	CNTRL OBS	1	1	0	0	2	2	0	0
	SMR	8.03	3.56	0.00	0.00	4.62	4.66	0.00	0.00
TRACHEA, BRONCHUS, LUNG	STUDY OBS	0	0	0	0	0	2	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	25.41	0.00	0.00
	CNTRL OBS	0	1	1	0	1	0	0	0
	SMR	0.00	3.77	4.73	0.00	3.58	0.00	0.00	0.00
BREAST (FEMALE)	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS	STUDY OBS	1	0	0	1	3	0	1	0
	SMR	1.56	0.00	0.00	0.63	1.78	0.00	0.91	0.00
	CNTRL OBS	2	8	2	5	2	6	3	1
	SMR	1.09	2.26	0.50	1.08	0.40	1.41	0.92	0.91
BLADDER	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.	STUDY OBS	2	0	0	3	3	4	1	0
	SMR	2.41	0.00	0.00	1.43	1.36	1.98	0.64	0.00
	CNTRL OBS	1	7	12	8	6	8	1	2
	SMR	0.42	1.48	2.09	1.30	0.92	1.32	0.21	1.27
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	1	1	0	0
	SMR	0.00	0.00	0.00	0.00	1.90	1.47	0.00	0.00
	CNTRL OBS	0	0	0	0	0	1	1	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.49	1.40	0.00

Age at death: 20 to 39

Quad Cities 1,2 (1972)  
Rock Island, IL ; Whiteside, IL

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA								
STUDY OBS	3	7	6	4	8	5	3	3
SMR	0.80	1.14	1.02	0.70	1.40	0.82	0.47	1.18
CNTRL OBS	9	8	20	13	19	22	23	5
SMR	0.83	0.44	1.10	0.73	1.07	1.16	1.15	0.62
ALL CANCER, EXCL LEUK								
STUDY OBS	35	56	52	64	57	38	41	18
SMR	1.04	1.02	0.99	1.27	1.20	0.82	0.88	0.96
CNTRL OBS	99	151	164	157	137	140	150	68
SMR	1.02	0.93	1.01	1.00	0.92	0.96	1.00	1.12
HODGKIN'S DISEASE								
STUDY OBS	1	8	8	5	6	3	1	2
SMR	0.34	1.64	1.62	0.99	1.29	0.78	0.33	1.77
CNTRL OBS	6	14	16	13	11	9	8	3
SMR	0.71	0.97	1.05	0.83	0.76	0.76	0.83	0.84
OTHER LYMPHOMA								
STUDY OBS	3	2	5	4	4	1	4	1
SMR	1.70	0.69	1.70	1.34	1.37	0.33	1.23	0.74
CNTRL OBS	8	13	7	10	10	10	7	3
SMR	1.58	1.51	0.77	1.08	1.10	1.06	0.68	0.70
MULTIPLE MYELOMA								
STUDY OBS	0	0	0	1	0	1	0	0
SMR	0.00	0.00	0.00	4.72	0.00	5.49	0.00	0.00
CNTRL OBS	0	0	0	1	1	0	2	0
SMR	0.00	0.00	0.00	1.50	1.71	0.00	3.07	0.00
DIGESTIVE ORGANS								
STUDY OBS	5	10	10	8	9	10	4	5
SMR	0.77	1.00	1.13	1.02	1.28	1.50	0.61	1.89
CNTRL OBS	21	36	27	33	19	15	20	16
SMR	1.13	1.21	0.98	1.35	0.86	0.71	0.93	1.84
STOMACH								
STUDY OBS	1	0	2	2	0	1	0	0
SMR	0.67	0.00	1.09	1.36	0.00	0.92	0.00	0.00
CNTRL OBS	0	7	9	2	3	2	2	2
SMR	0.00	1.06	1.57	0.43	0.78	0.57	0.57	1.39

Age at death: 20 to 39

Quad Cities 1,2 (1972)  
Rock Island, IL ; Whiteside, IL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY OBS	2	6	6	3	5	5	2	4
	SMR	0.61	1.19	1.37	0.78	1.45	1.52	0.62	3.17
	CNTRL OBS	16	18	10	17	10	9	12	5
LIVER (PRIMARY)	STUDY OBS	1.71	1.20	0.74	1.41	0.92	0.86	1.15	1.21
	SMR								
	CNTRL OBS	1	1	0	2	2	3	2	0
TRACHEA, BRONCHUS, LUNG	STUDY OBS	1.52	1.00	0.00	2.61	3.04	4.72	2.81	0.00
	SMR								
	CNTRL OBS	1	4	3	8	1	0	2	3
BREAST (FEMALE)	STUDY OBS	0.52	1.33	1.11	3.30	0.48	0.00	0.85	2.99
	SMR								
	CNTRL OBS	1	3	3	7	3	1	5	1
THYROID	STUDY OBS	0.54	0.87	0.76	1.61	0.67	0.23	1.18	0.60
	SMR								
	CNTRL OBS	4	12	10	16	17	16	22	2
BONES & JOINTS	STUDY OBS	0.76	1.18	0.81	1.17	1.21	1.15	1.60	0.36
	SMR								
	CNTRL OBS	6	6	5	13	8	4	5	2
BLADDER	STUDY OBS	1.34	0.80	0.68	1.86	1.22	0.62	0.71	0.66
	SMR								
	CNTRL OBS	8	14	22	23	21	21	27	15
BRAIN & OTHER C.N.S.	STUDY OBS	0.62	0.63	0.97	1.06	1.02	1.01	1.16	1.51
	SMR								
	CNTRL OBS	1	0	0	0	0	0	1	0
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	8.68	0.00	0.00	0.00	0.00	0.00	8.73	0.00
	SMR								
	CNTRL OBS	1	0	1	1	1	0	0	0
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	3.02	0.00	0.00	1.90	2.17	0.00	0.00	0.00
	SMR								
	CNTRL OBS	0	3	1	2	0	1	2	0
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	2.83	1.09	2.35	0.00	1.01	1.96	0.00
	SMR								
	CNTRL OBS	2	3	4	2	1	5	6	1
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	1.00	0.95	1.41	0.75	0.36	1.64	1.91	0.82
	SMR								
	CNTRL OBS	1	1	0	0	1	0	0	0
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	5.32	3.92	0.00	0.00	6.21	0.00	0.00	0.00
	SMR								
	CNTRL OBS	0	1	1	0	1	0	0	0
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	1.30	1.53	0.00	1.98	0.00	0.00	0.00
	SMR								
	CNTRL OBS	3	6	2	1	6	3	3	1
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	1.01	1.22	0.42	0.23	1.35	0.65	0.65	0.54
	SMR								
	CNTRL OBS	5	18	18	14	11	10	15	5
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.59	1.24	1.22	1.03	0.80	0.70	1.03	0.85
	SMR								
	CNTRL OBS	0	0	0	0	1	0	1	0
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	0.00	0.00	0.00	0.89	0.00	1.26	0.00
	SMR								
	CNTRL OBS	0	0	0	0	2	4	4	0
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	0.00	0.00	0.00	0.56	0.79	1.57	0.00
	SMR								
	CNTRL OBS	0	0	0	0	0	0	0	0



Age at death: 40 to 59

Quad Cities 1,2 (1972)  
Rock Island, IL ; Whiteside, IL

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	10	20	15	19	17		18	6
SMR	1.16	1.34	0.98	1.23	1.13	0.43	1.35	1.17
CNTRL OBS	20	38	39	51	40	53	40	15
SMR	0.82	0.90	0.89	1.15	0.92	1.26	0.98	0.95
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	215	396	374	469	441	442	427	154
SMR	0.96	1.02	0.91	1.06	0.95	0.97	0.98	0.93
CNTRL OBS	658	1041	1145	1199	1271	1374	1387	505
SMR	1.03	0.94	0.97	0.95	0.94	1.01	1.04	0.99
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	1	4	4	4	2	3	1	0
SMR	0.30	0.67	0.64	0.64	0.35	0.76	0.38	0.00
CNTRL OBS	9	10	21	21	20	13	12	2
SMR	0.95	0.59	1.19	1.16	1.20	1.10	1.50	0.73
<b>OTHER LYMPHOMA</b>								
STUDY OBS	6	12	16	23	19	18	14	6
SMR	1.00	1.07	1.24	1.58	1.25	1.26	1.02	1.12
CNTRL OBS	26	38	25	42	49	50	51	21
SMR	1.54	1.20	0.68	1.01	1.11	1.18	1.22	1.28
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	2	1	2	2	6	5	4	3
SMR	0.98	0.25	0.42	0.42	1.17	0.91	0.74	1.46
CNTRL OBS	2	14	13	21	15	18	22	7
SMR	0.34	1.21	0.95	1.51	1.00	1.09	1.32	1.10
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	62	127	110	134	109	102	91	31
SMR	0.88	1.09	0.96	1.19	0.99	1.01	0.99	0.90
CNTRL OBS	203	294	288	313	296	306	271	82
SMR	1.01	0.88	0.88	0.97	0.93	1.01	0.95	0.77
<b>STOMACH</b>								
STUDY OBS	11	29	16	22	14	15	9	6
SMR	0.64	1.11	0.73	1.18	0.86	1.09	0.76	1.38
CNTRL OBS	45	46	46	38	47	36	33	3
SMR	0.91	0.62	0.73	0.70	0.98	0.87	0.90	0.22

Quad Cities 1,2 (1972)  
Rock Island, IL ; Whiteside, IL

	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM								
STUDY OBS	31	67	57	69	51	55	39	17
SMR	1.04	1.34	1.15	1.39	1.03	1.19	0.94	1.11
CNTRL OBS	95	141	130	162	134	147	129	44
SMR	1.12	0.99	0.92	1.14	0.94	1.07	1.01	0.93
LIVER (PRIMARY)								
STUDY OBS	10	13	14	13	9	4	10	1
SMR	1.14	0.95	1.11	1.20	1.19	0.74	1.96	0.51
CNTRL OBS	24	39	34	37	16	10	13	5
SMR	0.96	0.99	0.94	1.19	0.73	0.61	0.82	0.81
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	33	63	61	90	112	109	134	50
SMR	1.07	1.03	0.80	0.95	0.96	0.84	1.00	0.96
CNTRL OBS	82	164	234	227	334	398	414	168
SMR	0.93	0.95	1.08	0.84	0.99	1.02	1.00	1.04
BREAST (FEMALE)								
STUDY OBS	27	48	45	64	55	50	59	20
SMR	0.92	0.91	0.78	1.02	0.83	0.77	0.99	0.88
CNTRL OBS	86	155	178	184	188	172	183	71
SMR	1.02	1.02	1.08	1.01	0.97	0.90	1.01	1.03
THYROID								
STUDY OBS	1	1	2	1	1	1	0	0
SMR	1.03	0.63	1.37	0.77	0.85	0.95	0.00	0.00
CNTRL OBS	5	3	6	4	4	4	0	2
SMR	1.80	0.66	1.44	1.06	1.17	1.28	0.00	2.06
BONES & JOINTS								
STUDY OBS	1	2	1	2	1	1	2	0
SMR	0.54	0.68	0.40	0.92	0.50	0.60	1.78	0.00
CNTRL OBS	7	3	2	3	4	7	4	1
SMR	1.32	0.36	0.28	0.48	0.69	1.40	1.15	0.95
BLADDER								
STUDY OBS	6	6	6	3	3	8	1	2
SMR	1.36	0.85	0.93	0.48	0.50	1.48	0.22	1.22
CNTRL OBS	13	26	17	15	15	14	20	3
SMR	1.03	1.29	0.92	0.85	0.87	0.87	1.41	0.59
BRAIN & OTHER C.N.S.								
STUDY OBS	9	17	10	17	21	15	21	3
SMR	1.10	1.15	0.61	1.03	1.17	0.86	1.35	0.51
CNTRL OBS	28	35	54	39	63	58	46	21
SMR	1.21	0.84	1.17	0.83	1.21	1.12	0.97	1.18
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	6	7	2	0
SMR	0.00	0.00	0.00	0.00	1.36	1.21	0.76	0.00
CNTRL OBS	0	0	0	0	10	22	2	1
SMR	0.00	0.00	0.00	0.00	0.77	1.26	0.25	0.67

Age at death: 60 plus

Quad Cities 1,2 (1972)  
Rock Island, IL ; Whiteside, IL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	16	44	48	41	68	70	81	28
	SMR	0.89	1.24	1.12	0.85	1.33	1.30	1.36	1.10
CNTRL	OBS	46	106	123	155	159	177	190	86
	SMR	0.93	1.07	1.01	1.10	1.05	1.10	1.07	1.13
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	576	1021	1004	1173	1266	1391	1584	683
	SMR	1.05	1.03	0.92	1.00	1.00	1.00	1.02	1.01
CNTRL	OBS	1434	2754	3055	3465	3649	4204	4721	2032
	SMR	0.94	0.98	0.98	1.01	0.97	1.01	1.01	1.01
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	3	7	12	2	5	5	6	1
	SMR	0.84	1.08	1.70	0.27	0.69	0.82	1.21	0.53
CNTRL	OBS	12	19	18	23	23	24	9	6
	SMR	1.23	1.04	0.89	1.07	1.07	1.33	0.62	1.07
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	8	20	20	33	38	35	49	28
	SMR	0.84	1.02	0.79	1.07	1.06	0.85	0.98	1.25
CNTRL	OBS	16	68	73	89	102	124	141	84
	SMR	0.61	1.23	1.01	0.99	0.95	1.01	0.95	1.27
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	2	10	7	15	23	34	27	17
	SMR	0.54	1.16	0.59	1.01	1.24	1.50	1.00	1.44
CNTRL	OBS	2	29	41	51	49	73	88	25
	SMR	0.20	1.19	1.20	1.17	0.89	1.07	1.09	0.71
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	294	446	394	473	425	469	508	181
	SMR	1.19	1.04	0.89	1.07	0.97	1.05	1.08	0.92
CNTRL	OBS	661	1152	1236	1328	1234	1304	1316	562
	SMR	0.97	0.95	0.97	1.02	0.94	0.97	0.94	0.96
<b>STOMACH</b>									
STUDY	OBS	77	117	78	71	70	58	50	21
	SMR	1.09	1.03	0.78	0.84	0.98	0.92	0.85	0.89
CNTRL	OBS	180	288	256	220	188	133	143	57
	SMR	0.92	0.90	0.89	0.89	0.88	0.70	0.81	0.80

Age at death: 60 plus

Quad Cities 1,2 (1972)  
Rock Island, IL ; Whiteside, IL

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	134	203	184	239	241	247	255	105
SMR	1.33	1.12	0.94	1.17	1.13	1.10	1.08	1.07
CNTRL OBS	295	536	576	645	633	710	714	293
SMR	1.06	1.05	1.03	1.07	0.99	1.05	1.01	0.99
<b>LIVER (PRIMARY)</b>								
STUDY OBS	31	46	54	55	12	31	31	6
SMR	1.03	0.90	1.05	1.25	0.42	1.48	1.39	0.63
CNTRL OBS	84	124	145	152	53	53	56	30
SMR	1.00	0.85	0.98	1.17	0.62	0.84	0.84	1.05
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	32	103	133	161	244	276	419	197
SMR	0.62	0.95	0.90	0.83	0.98	0.87	1.06	1.13
CNTRL OBS	115	271	402	544	730	973	1186	534
SMR	0.82	0.89	0.95	0.96	0.99	1.04	1.02	1.03
<b>BREAST (FEMALE)</b>								
STUDY OBS	37	76	82	88	102	114	103	55
SMR	0.92	1.04	1.02	1.01	1.06	1.06	0.84	1.05
CNTRL OBS	107	228	245	280	340	380	425	159
SMR	0.94	1.08	1.04	1.07	1.17	1.18	1.17	1.02
<b>THYROID</b>								
STUDY OBS	4	7	1	8	6	7	6	2
SMR	1.58	1.52	0.21	1.76	1.36	1.60	1.44	1.19
CNTRL OBS	4	18	14	15	10	15	10	3
SMR	0.57	1.38	1.02	1.12	0.75	1.14	0.80	0.60
<b>BONES &amp; JOINTS</b>								
STUDY OBS	2	4	5	7	12	4	8	1
SMR	0.45	0.56	0.81	1.24	2.18	0.80	2.28	0.90
CNTRL OBS	13	28	13	17	14	12	15	3
SMR	1.05	1.40	0.73	1.03	0.86	0.81	1.44	0.91
<b>BLADDER</b>								
STUDY OBS	21	45	44	54	49	52	35	13
SMR	0.96	1.15	1.05	1.24	1.09	1.11	0.74	0.67
CNTRL OBS	77	116	136	125	143	141	146	58
SMR	1.27	1.06	1.14	0.99	1.07	1.01	1.03	1.00
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	7	14	7	10	16	27	29	11
SMR	1.62	1.63	0.64	0.74	0.83	1.03	0.94	0.84
CNTRL OBS	10	24	37	45	55	88	103	40
SMR	0.84	0.99	1.17	1.14	0.97	1.15	1.14	1.04
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	9	20	11	2
SMR	0.00	0.00	0.00	0.00	0.97	1.32	1.18	0.88
CNTRL OBS	0	0	0	0	28	47	21	7
SMR	0.00	0.00	0.00	0.00	1.01	1.04	0.75	1.02

Table 2-C.8

Age at death: all	Quad Cities 1,2 (1972) Rock Island, IL ; Whiteside, IL									
	YEARS BEFORE STARTUP					YEARS AFTER STARTUP				
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84		
LEUKEMIA & ALEUKEMIA										
STUDY OBS	36	87	82	81	106	85	108	42		
SMR	0.97	1.25	1.05	0.97	1.26	1.02	1.26	1.19		
CNTRL OBS	97	196	218	245	249	277	283	115		
SMR	0.93	0.99	0.97	1.01	1.00	1.11	1.09	1.08		
ALL CANCER, EXCL LEUK										
STUDY OBS	834	1482	1446	1726	1783	1889	2065	856		
SMR	1.02	1.02	0.92	1.03	1.00	0.99	1.00	0.99		
CNTRL OBS	2210	4000	4412	4894	5103	5767	6303	2614		
SMR	0.97	0.97	0.98	1.00	0.96	1.01	1.02	1.01		
HODGKIN'S DISEASE										
STUDY OBS	6	20	24	11	14	11	8	3		
SMR	0.58	1.10	1.25	0.56	0.76	0.76	0.73	0.74		
CNTRL OBS	27	45	55	65	55	46	33	11		
SMR	0.93	0.86	0.98	1.11	0.99	1.06	0.99	0.89		
OTHER LYMPHOMA										
STUDY OBS	18	35	43	61	64	59	69	35		
SMR	0.98	0.97	0.98	1.20	1.13	0.98	1.01	1.19		
CNTRL OBS	50	124	108	150	164	189	204	108		
SMR	0.97	1.21	0.86	1.01	0.98	1.05	1.00	1.22		
MULTIPLE MYELOMA										
STUDY OBS	4	11	9	18	29	40	31	20		
SMR	0.68	0.85	0.53	0.90	1.22	1.41	0.95	1.44		
CNTRL OBS	4	43	54	73	65	91	113	32		
SMR	0.24	1.17	1.11	1.25	0.92	1.07	1.15	0.76		
DIGESTIVE ORGANS										
STUDY OBS	361	583	515	616	543	584	605	217		
SMR	1.11	1.04	0.91	1.09	0.98	1.05	1.06	0.93		
CNTRL OBS	886	1485	1553	1680	1551	1630	1611	660		
SMR	0.98	0.94	0.95	1.02	0.94	0.98	0.94	0.94		
STOMACH										
STUDY OBS	89	146	96	95	84	75	59	27		
SMR	0.99	1.03	0.78	0.91	0.94	0.96	0.82	0.95		
CNTRL OBS	225	341	311	260	238	171	178	62		
SMR	0.90	0.85	0.88	0.85	0.90	0.73	0.82	0.72		

Age at death: all

Quad Cities 1,2 (1972)  
Rock Island, IL ; Whiteside, IL

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	167	276	247	312	297	307	296	126
SMR	1.25	1.17	0.99	1.21	1.11	1.12	1.05	1.09
CNTRL OBS	406	695	716	826	777	867	856	342
SMR	1.09	1.04	1.00	1.09	0.98	1.05	1.01	0.99
<b>LIVER (PRIMARY)</b>								
STUDY OBS	42	60	69	70	23	40	45	7
SMR	1.06	0.90	1.06	1.25	0.62	1.46	1.58	0.59
CNTRL OBS	110	168	183	200	72	66	73	38
SMR	0.99	0.89	0.98	1.22	0.65	0.80	0.85	1.05
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	66	169	197	258	359	388	558	248
SMR	0.78	0.98	0.86	0.88	0.97	0.86	1.04	1.09
CNTRL OBS	201	448	647	787	1082	1387	1622	704
SMR	0.86	0.92	0.99	0.93	0.99	1.04	1.02	1.03
<b>BREAST (FEMALE)</b>								
STUDY OBS	70	130	132	165	165	168	167	77
SMR	0.95	0.97	0.91	1.05	0.97	0.94	0.88	0.98
CNTRL OBS	201	397	445	487	550	573	635	245
SMR	0.95	1.03	1.05	1.05	1.09	1.07	1.12	1.04
<b>THYROID</b>								
STUDY OBS	6	8	3	9	7	8	7	2
SMR	1.65	1.25	0.47	1.49	1.21	1.44	1.35	0.98
CNTRL OBS	10	21	20	20	15	19	10	5
SMR	0.98	1.15	1.08	1.12	0.87	1.14	0.64	0.81
<b>BONES &amp; JOINTS</b>								
STUDY OBS	4	9	7	13	16	7	13	1
SMR	0.51	0.71	0.62	1.23	1.55	0.75	1.89	0.44
CNTRL OBS	24	43	21	28	21	31	28	6
SMR	1.09	1.19	0.64	0.90	0.68	1.11	1.35	0.88
<b>BLADDER</b>								
STUDY OBS	28	52	50	57	53	60	36	15
SMR	1.06	1.11	1.03	1.14	1.03	1.15	0.69	0.71
CNTRL OBS	90	143	154	141	159	155	166	61
SMR	1.22	1.09	1.11	0.97	1.05	0.99	1.06	0.96
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	22	40	25	39	50	49	57	16
SMR	1.20	1.18	0.65	0.97	1.07	0.94	1.05	0.73
CNTRL OBS	51	94	135	129	140	171	174	70
SMR	0.99	0.97	1.21	1.10	1.02	1.10	1.07	1.06
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	19	28	14	2
SMR	0.00	0.00	0.00	0.00	1.18	1.16	1.04	0.66
CNTRL OBS	0	0	0	0	42	80	28	9
SMR	0.00	0.00	0.00	0.00	0.87	1.10	0.69	0.98





Age at death: under 10

Surry 1,2 (1972)  
Isle of Wight, VA ; Surry, VA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>LIVER (PRIMARY)</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BREAST (FEMALE)</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	1	0	0	0	0	0
SMR	0.00	0.00	77.34	0.00	0.00	0.00	0.00	0.00
<b>THYROID</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BONES &amp; JOINTS</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	0.00	16.17	0.00	0.00
<b>BLADDER</b>								
STUDY OBS	0	0	0	1	0	0	0	0
SMR	0.00	0.00	0.00	195.31	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	0	1	0	0	0	0	0	0
SMR	0.00	2.39	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	1	1	0	2	2	0	0	0
SMR	0.94	0.58	0.00	1.46	2.02	0.00	0.00	0.00
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	1	0	0	0
SMR	0.00	0.00	0.00	0.00	3.88	0.00	0.00	0.00

Age at death: 10 to 19

Surry 1,2 (1972)  
Isle of Wight, VA ; Surry, VA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1963-67	1968-72	1973-77	1978-82	1983-84			
1950-52									
LEUKEMIA & ALEUKEMIA									
STUDY OBS	0								
SMR	0.00		1	1	0				0
CNTRL OBS	2	0.00	2.00	2.13	0.00				0.00
SMR	1.78	0	0	1	1				0
ALL CANCER, EXCL LEUK		2.15	0.00	0.66	0.84				0.00
STUDY OBS	0								
SMR	0.00	1	0	0	1				0
CNTRL OBS	2	0.97	0.00	0.00	1.24				0.00
SMR	0.79	2	2	4	4				1
HODGKIN'S DISEASE		1.19	0.55	1.31	1.68				1.22
STUDY OBS	0								
SMR	0.00	0	0	0	0				0
CNTRL OBS	0	0.00	0.00	0.00	0.00				0.00
SMR	0.00	0	0	0	0				0
OTHER LYMPHOMA		0.00	0.00	0.00	0.00				0.00
STUDY OBS	0								
SMR	0.00	1	0	0	0				0
CNTRL OBS	1	6.78	0.00	0.00	0.00				0.00
SMR	3.28	0	0	0	1				0
MULTIPLE MYELOMA		0.00	0.00	0.00	3.20				0.00
STUDY OBS	0								
SMR	0.00	0	0	0	0				0
CNTRL OBS	0	0.00	0.00	0.00	0.00				0.00
SMR	0.00	0	0	0	0				0
DIGESTIVE ORGANS		0.00	0.00	0.00	0.00				0.00
STUDY OBS	0								
SMR	0.00	0	0	0	0				0
CNTRL OBS	0	0.00	0.00	0.00	0.00				0.00
SMR	0.00	1	2	0	0				0
STOMACH		3.06	8.73	0.00	0.00				0.00
STUDY OBS	0								
SMR	0.00	0	0	0	0				0
CNTRL OBS	0	0.00	0.00	0.00	0.00				0.00
SMR	0.00	0	0	0	0				0
STUDY OBS	0								
SMR	0.00	0	0	0	0				0.00
CNTRL OBS	0	0.00	0.00	0.00	0.00				0.00
SMR	0.00	0	0	0	0				0.00



Age at death: 20 to 39

Surry 1,2 (1972)  
Isle of Wight, VA ; Surry, VA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	0	1	0	1	0	1	1	0
	SMR	0.00	1.59	0.00	1.67	0.00	1.46	1.31	0.00
CNTRL	OBS	2	2	3	0	3	1	2	1
	SMR	1.19	0.77	1.32	0.00	1.59	0.50	0.94	1.16
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	7	5	5	8	5	6	3	3
	SMR	1.69	0.75	0.78	1.31	0.86	1.04	0.48	1.14
CNTRL	OBS	20	29	23	21	17	20	22	6
	SMR	1.12	1.07	0.97	1.00	0.95	1.19	1.29	0.84
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	1	0	0	1	0	0	0	0
	SMR	3.91	0.00	0.00	2.38	0.00	0.00	0.00	0.00
CNTRL	OBS	0	2	4	1	1	2	0	0
	SMR	0.00	1.10	2.50	0.69	0.79	1.88	0.00	0.00
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	1	0	1	0	0	1	0	1
	SMR	5.46	0.00	3.29	0.00	0.00	3.05	0.00	5.69
CNTRL	OBS	1	0	0	2	2	1	2	0
	SMR	1.21	0.00	0.00	1.87	2.11	1.04	1.84	0.00
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	1	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	9.78	0.00
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	0	0	0	1	1	0	0	2
	SMR	0.00	0.00	0.00	0.86	0.95	0.00	0.00	4.41
CNTRL	OBS	4	3	1	2	4	2	0	1
	SMR	1.08	0.55	0.22	0.52	1.25	0.67	0.00	0.78
<b>STOMACH</b>									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	2	1	0	1	1	0	0	0
	SMR	2.06	0.72	0.00	1.14	1.50	0.00	0.00	0.00

Age at death: 20 to 39		Surry 1,2 (1972)								
		Isle of Wight, VA ; Surry, VA								
		YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84	
COLON & RECTUM										
STUDY	OBS	0	0	0	0	1	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	2.20	0.00	0.00	0.00	0.00
CNTRL	OBS	2	1	0	0	1	1	0	0	0
	SMR	1.25	0.42	0.00	0.00	0.71	0.75	0.00	0.00	0.00
LIVER (PRIMARY)										
STUDY	OBS	0	0	0	0	0	0	0	0	2
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.62
CNTRL	OBS	0	1	0	1	0	1	0	0	0
	SMR	0.00	1.41	0.00	2.11	0.00	2.75	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG										
STUDY	OBS	0	0	1	0	0	1	1	0	0
	SMR	0.00	0.00	1.95	0.00	0.00	1.61	1.57	0.00	0.00
CNTRL	OBS	1	1	1	3	1	2	2	0	0
	SMR	1.01	0.59	0.53	1.47	0.52	1.12	1.16	0.00	0.00
BREAST (FEMALE)										
STUDY	OBS	4	0	0	0	1	1	2	0	0
	SMR	7.42	0.00	0.00	0.00	1.21	1.15	1.99	0.00	0.00
CNTRL	OBS	0	8	3	2	2	5	3	1	0.82
	SMR	0.00	2.28	0.91	0.67	0.76	2.02	1.09	0.00	0.00
THYROID										
STUDY	OBS	0	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	1	0	1	0	0	0	0	0	0
	SMR	15.71	0.00	13.36	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS										
STUDY	OBS	0	0	1	0	0	0	0	0	0
	SMR	0.00	0.00	9.50	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	2	1	0	0	1	0	0	0	0
	SMR	5.73	2.00	0.00	0.00	3.34	0.00	0.00	0.00	0.00
BLADDER										
STUDY	OBS	0	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	1	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	18.81	0.00	0.00
BRAIN & OTHER C.N.S.										
STUDY	OBS	0	2	0	1	0	0	0	0	0
	SMR	0.00	4.87	0.00	2.57	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	2	3	2	2	1	4	0	0
	SMR	0.00	1.14	1.87	1.47	1.51	0.72	3.03	0.00	0.00
BENIGN & UNSPEC NEOPLASMS										
STUDY	OBS	0	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	2	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	4.09	0.00	0.00	0.00	0.00



Age at death: 40 to 59

Surry 1,2 (1972)  
Isle of Wight, VA ; Surry, VA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	0	0	4	1	1	1	1	1
SMR	0.00	0.00	2.76	0.66	0.63	0.62	0.59	1.33
CNTRL OBS	2	7	6	12	14	6	7	0
SMR	0.61	1.24	1.06	2.08	2.44	1.08	1.28	0.00
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	13	41	41	51	49	65	54	31
SMR	0.52	0.93	0.87	0.99	0.85	1.07	0.86	1.11
CNTRL OBS	80	109	140	168	189	207	182	71
SMR	0.76	0.61	0.77	0.87	0.91	0.99	0.88	0.85
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	0	0	1	2	0	0	0
SMR	0.00	0.00	0.00	1.73	3.65	0.00	0.00	0.00
CNTRL OBS	0	0	2	2	3	2	0	0
SMR	0.00	0.00	0.92	0.90	1.49	1.38	0.00	0.00
<b>OTHER LYMPHOHA</b>								
STUDY OBS	1	1	5	0	2	0	2	0
SMR	1.96	1.02	4.42	0.00	1.39	0.00	1.31	0.00
CNTRL OBS	4	3	1	4	6	4	4	2
SMR	1.85	0.75	0.22	0.81	1.14	0.79	0.80	0.97
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	1	1	1	1	0	1	1	1
SMR	4.02	1.87	1.48	1.37	0.00	1.08	1.01	2.23
CNTRL OBS	1	0	3	1	4	2	3	2
SMR	0.96	0.00	1.17	0.37	1.36	0.63	0.92	1.50
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	2	14	15	18	17	16	15	6
SMR	0.24	0.98	1.06	1.24	1.13	1.07	1.00	0.91
CNTRL OBS	26	33	39	47	55	44	50	13
SMR	0.73	0.58	0.72	0.86	1.02	0.85	1.02	0.66
<b>STOMACH</b>								
STUDY OBS	1	5	3	4	1	1	2	1
SMR	0.39	1.27	0.89	1.34	0.37	0.42	0.93	1.10
CNTRL OBS	9	10	10	12	9	5	5	0
SMR	0.85	0.64	0.78	1.09	0.94	0.62	0.72	0.00

Age at death: 40 to 59

Surry 1,2 (1972)  
Isle of Wight, VA ; Surry, VA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM								
STUDY OBS	0	4	5	5	9	6	6	2
SMR	0.00	0.83	1.03	0.99	1.66	1.09	1.08	0.82
CNTRL OBS	6	12	11	18	24	17	21	6
SMR	0.50	0.61	0.58	0.93	1.22	0.89	1.15	0.83
LIVER (PRIMARY)								
STUDY OBS	0	2	2	0	2	2	0	1
SMR	0.00	1.12	1.19	0.00	1.62	2.00	0.00	2.14
CNTRL OBS	7	5	4	1	4	4	1	0
SMR	1.52	0.70	0.62	0.17	0.91	1.17	0.30	0.00
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	3	6	10	6	13	20	21	10
SMR	0.99	0.98	1.24	0.55	0.89	1.14	1.07	1.13
CNTRL OBS	6	13	22	33	39	64	59	22
SMR	0.48	0.53	0.71	0.81	0.74	1.06	0.92	0.83
BREAST (FEMALE)								
STUDY OBS	2	2	1	10	8	5	5	2
SMR	0.72	0.40	0.18	1.63	1.18	0.71	0.68	0.62
CNTRL OBS	9	23	17	21	22	31	19	15
SMR	0.76	1.11	0.78	0.89	0.88	1.24	0.78	1.54
THYROID								
STUDY OBS	0	1	1	0	0	0	0	0
SMR	0.00	6.00	6.34	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	2	0	2	0	2	0	0
SMR	0.00	2.95	0.00	3.37	0.00	4.49	0.00	0.00
BONES & JOINTS								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	2	2	1	0	0	3	0	0
SMR	2.32	1.52	0.91	0.00	0.00	3.77	0.00	0.00
BLADDER								
STUDY OBS	0	1	0	1	0	1	2	0
SMR	0.00	1.12	0.00	1.20	0.00	1.41	3.22	0.00
CNTRL OBS	0	1	1	0	4	4	5	1
SMR	0.00	0.28	0.31	0.00	1.40	1.63	2.45	1.30
BRAIN & OTHER C.N.S.								
STUDY OBS	0	2	0	2	2	2	3	1
SMR	0.00	1.83	0.00	1.52	1.25	1.17	1.83	1.42
CNTRL OBS	3	2	3	7	8	1	4	0
SMR	1.20	0.44	0.60	1.37	1.36	0.17	0.75	0.00
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	1	1	1	0
SMR	0.00	0.00	0.00	0.00	1.68	1.24	2.44	0.00
CNTRL OBS	0	0	0	0	2	1	0	0
SMR	0.00	0.00	0.00	0.00	0.95	0.36	0.00	0.00

Table 2-C.9

Age at death: 40 to 59

Surry 1,2 (1972)  
Isle of Wight, VA ; Surry, VA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	0	0	4	1	1	1	1	1
SMR	0.00	0.00	2.76	0.66	0.63	0.62	0.59	1.33
CNTRL OBS	2	7	6	12	14	6	7	0
SMR	0.61	1.24	1.06	2.08	2.44	1.08	1.28	0.00
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	13	41	41	51	49	65	54	31
SMR	0.52	0.93	0.87	0.99	0.85	1.07	0.86	1.11
CNTRL OBS	80	109	140	168	189	207	182	71
SMR	0.76	0.61	0.77	0.87	0.91	0.99	0.88	0.85
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	0	0	1	2	0	0	0
SMR	0.00	0.00	0.00	1.73	3.65	0.00	0.00	0.00
CNTRL OBS	0	0	2	2	3	2	0	0
SMR	0.00	0.00	0.92	0.90	1.49	1.38	0.00	0.00
<b>OTHER LYMPHOMA</b>								
STUDY OBS	1	1	5	0	2	0	2	0
SMR	1.96	1.02	4.42	0.00	1.39	0.00	1.31	0.00
CNTRL OBS	4	3	1	4	6	4	4	2
SMR	1.85	0.75	0.22	0.81	1.14	0.79	0.80	0.97
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	1	1	1	1	0	1	1	1
SMR	4.02	1.87	1.48	1.37	0.00	1.08	1.01	2.23
CNTRL OBS	1	0	3	1	4	2	3	2
SMR	0.96	0.00	1.17	0.37	1.36	0.63	0.92	1.50
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	2	14	15	18	17	16	15	6
SMR	0.24	0.98	1.06	1.24	1.13	1.07	1.00	0.91
CNTRL OBS	26	33	39	47	55	44	50	13
SMR	0.73	0.58	0.72	0.86	1.02	0.85	1.02	0.66
<b>STOMACH</b>								
STUDY OBS	1	5	3	4	1	1	2	1
SMR	0.39	1.27	0.89	1.34	0.37	0.42	0.93	1.10
CNTRL OBS	9	10	10	12	9	5	5	0
SMR	0.85	0.64	0.78	1.09	0.94	0.62	0.72	0.00

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY OBS	0	4	5	5	9	6	6	2
	SMR	0.00	0.83	1.03	0.99	1.66	1.09	1.08	0.82
	CNTRL OBS	6	12	11	18	24	17	21	6
LIVER (PRIMARY)	STUDY OBS	0.50	0.61	0.58	0.93	1.22	0.89	1.15	0.83
	SMR								
	CNTRL OBS								
TRACHEA, BRONCHUS, LUNG	STUDY OBS	0	2	2	0	2	2	0	1
	SMR	0.00	1.12	1.19	0.00	1.62	2.00	0.00	2.14
	CNTRL OBS	7	5	4	1	4	4	1	0
BREAST (FEMALE)	STUDY OBS	1.52	0.70	0.62	0.17	0.91	1.17	0.30	0.00
	SMR								
	CNTRL OBS								
THYROID	STUDY OBS	3	6	10	6	13	20	21	10
	SMR	0.99	0.98	1.24	0.55	0.89	1.14	1.07	1.13
	CNTRL OBS	6	13	22	33	39	64	59	22
BLADDER	STUDY OBS	0.48	0.53	0.71	0.81	0.74	1.06	0.92	0.83
	SMR								
	CNTRL OBS								
BONES & JOINTS	STUDY OBS	2	2	1	10	8	5	5	2
	SMR	0.72	0.40	0.18	1.63	1.18	0.71	0.68	0.62
	CNTRL OBS	9	23	17	21	22	31	19	15
BLADDER	STUDY OBS	0.76	1.11	0.78	0.89	0.88	1.24	0.78	1.54
	SMR								
	CNTRL OBS								
BRAIN & OTHER C.N.S.	STUDY OBS	0	1	1	0	0	0	0	0
	SMR	0.00	6.00	6.34	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	2	0	2	0	2	0	0
BRAIN & OTHER C.N.S.	STUDY OBS	0.00	2.95	0.00	3.37	0.00	4.49	0.00	0.00
	SMR								
	CNTRL OBS								
BRAIN & OTHER C.N.S.	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	2	2	1	0	0	3	0	0
BRAIN & OTHER C.N.S.	STUDY OBS	2.32	1.52	0.91	0.00	0.00	3.77	0.00	0.00
	SMR								
	CNTRL OBS								
BRAIN & OTHER C.N.S.	STUDY OBS	0	1	0	1	0	1	2	0
	SMR	0.00	1.12	0.00	1.20	0.00	1.41	3.22	0.00
	CNTRL OBS	0	1	1	0	4	4	5	1
BRAIN & OTHER C.N.S.	STUDY OBS	0.00	0.28	0.31	0.00	1.40	1.63	2.45	1.30
	SMR								
	CNTRL OBS								
BRAIN & OTHER C.N.S.	STUDY OBS	0	2	0	2	2	2	3	1
	SMR	0.00	1.83	0.00	1.52	1.25	1.17	1.83	1.42
	CNTRL OBS	3	2	3	7	8	1	4	0
BRAIN & OTHER C.N.S.	STUDY OBS	1.20	0.44	0.60	1.37	1.36	0.17	0.75	0.00
	SMR								
	CNTRL OBS								
BRAIN & OTHER C.N.S.	STUDY OBS	0	0	0	0	1	1	1	0
	SMR	0.00	0.00	0.00	0.00	1.68	1.24	2.44	0.00
	CNTRL OBS	0	0	0	0	2	1	0	0
BRAIN & OTHER C.N.S.	STUDY OBS	0.00	0.00	0.00	0.00	0.95	0.36	0.00	0.00
	SMR								
	CNTRL OBS								

Table 2-C.9

Age at death: 60 plus	Surry 1,2 (1972)											
	Isle of Wight, VA ; Surry, VA											
	YEARS BEFORE STARTUP		1968-72		YEARS AFTER STARTUP		1973-77		1978-82		1983-84	
	1950-52	1953-57	1958-62	1963-67	1968-72							
LEUKEMIA & ALEUKEMIA												
STUDY OBS	1	3	5	1	3					7	10	1
SMR	0.77	1.17	1.61	0.27	0.72					1.45	1.74	0.39
CNTRL OBS	1	9	15	10	20					20	16	12
SMR	0.19	0.84	1.15	0.66	1.18					1.02	0.70	1.20
ALL CANCER, EXCL LEUK												
STUDY OBS	28	97	88	113	130					144	197	73
SMR	0.59	1.14	0.94	1.06	1.07					0.98	1.09	0.90
CNTRL OBS	161	318	354	389	433					562	641	310
SMR	0.82	0.89	0.89	0.88	0.88					0.95	0.91	1.00
HODGKIN'S DISEASE												
STUDY OBS	0	0	1	0	0					0	0	0
SMR	0.00	0.00	1.92	0.00	0.00					0.00	0.00	0.00
CNTRL OBS	2	3	1	3	4					3	1	2
SMR	1.85	1.50	0.46	1.29	1.70					1.40	0.54	2.74
OTHER LYMPHOMA												
STUDY OBS	0	4	1	4	7					3	3	1
SMR	0.00	2.79	0.55	1.71	2.45					0.85	0.66	0.47
CNTRL OBS	2	6	8	6	6					14	15	13
SMR	0.71	1.00	1.04	0.62	0.52					0.99	0.84	1.59
MULTIPLE MYELOMA												
STUDY OBS	0	3	4	2	1					4	3	1
SMR	0.00	3.70	3.48	1.30	0.47					1.38	0.79	0.57
CNTRL OBS	0	4	6	6	12					7	18	9
SMR	0.00	1.17	1.23	0.93	1.39					0.60	1.22	1.35
DIGESTIVE ORGANS												
STUDY OBS	10	29	30	40	48					42	55	21
SMR	0.47	0.79	0.79	0.99	1.14					0.89	1.01	0.88
CNTRL OBS	73	129	114	128	129					180	168	68
SMR	0.83	0.84	0.71	0.76	0.75					0.94	0.79	0.74
STOMACH												
STUDY OBS	4	12	6	7	8					6	6	2
SMR	0.58	1.10	0.60	0.77	0.99					0.76	0.73	0.58
CNTRL OBS	32	40	32	18	27					31	27	8
SMR	1.12	0.87	0.75	0.47	0.81					0.96	0.84	0.60

Age at death: 60 plus

Surry 1,2 (1972)  
Isle of Wight, VA ; Surry, VA

Table 2-C.9

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84	
COLON & RECTUM									
STUDY OBS	2	7	11	14	21	23	21	12	
SMR	0.26	0.51	0.73	0.84	1.14	1.08	0.85	1.11	
CNTRL OBS	20	44	36	55	59	81	83	29	
SMR	0.63	0.77	0.57	0.80	0.78	0.93	0.85	0.69	
LIVER (PRIMARY)									
STUDY OBS	0	5	1	3	0	2	2	0	
SMR	0.00	1.17	0.23	0.74	0.00	0.76	0.65	0.00	
CNTRL OBS	9	17	14	15	6	9	12	3	
SMR	0.86	0.95	0.77	0.89	0.49	0.85	1.00	0.57	
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	5	11	12	14	20	34	59	26	
SMR	1.23	1.26	0.97	0.81	0.84	1.01	1.28	1.21	
CNTRL OBS	15	31	50	67	98	119	171	83	
SMR	0.87	0.84	0.96	0.94	1.03	0.89	0.97	1.03	
BREAST (FEMALE)									
STUDY OBS	3	6	5	7	9	4	8	6	
SMR	0.95	1.06	0.80	0.99	1.09	0.40	0.65	1.07	
CNTRL OBS	6	31	23	25	27	43	37	21	
SMR	0.47	1.32	0.88	0.85	0.80	1.06	0.77	0.99	
THYROID									
STUDY OBS	0	2	0	0	0	1	0	1	
SMR	0.00	5.44	0.00	0.00	0.00	2.38	0.00	5.58	
CNTRL OBS	0	1	2	0	3	4	1	0	
SMR	0.00	0.66	1.24	0.00	1.84	2.34	0.59	0.00	
BONES & JOINTS									
STUDY OBS	0	0	0	1	0	1	0	0	
SMR	0.00	0.00	0.00	2.04	0.00	2.01	0.00	0.00	
CNTRL OBS	4	4	1	4	2	1	0	1	
SMR	2.62	1.63	0.46	1.97	0.97	0.50	0.00	2.18	
BLADDER									
STUDY OBS	0	3	5	3	5	6	6	1	
SMR	0.00	0.98	1.54	0.84	1.28	1.37	1.27	0.50	
CNTRL OBS	3	2	13	10	9	9	18	7	
SMR	0.42	0.16	0.96	0.68	0.57	0.51	0.95	0.88	
BRAIN & OTHER C.N.S.									
STUDY OBS	0	2	1	4	1	1	3	0	
SMR	0.00	3.50	1.35	4.12	0.63	0.42	1.01	0.00	
CNTRL OBS	1	2	2	7	4	6	11	3	
SMR	0.84	0.83	0.64	1.76	0.64	0.64	0.96	0.60	
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0	0	0	2	1	1	
SMR	0.00	0.00	0.00	0.00	0.00	1.24	0.89	3.18	
CNTRL OBS	0	0	0	0	3	10	1	1	
SMR	0.00	0.00	0.00	0.00	0.79	1.54	0.23	0.83	



Age at death: all	Surry 1,2 (1972)							
	Isle of Wight, VA ; Surry, VA							
	YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA								
STUDY OBS	1	4	12	3	5	10	12	3
SMR	0.32	0.69	1.84	0.43	0.67	1.25	1.34	0.77
CNTRL OBS	7	20	27	30	38	28	27	13
SMR	0.52	0.82	1.03	1.09	1.34	0.93	0.83	0.94
ALL CANCER, EXCL LEUK								
STUDY OBS	48	147	134	174	184	215	256	107
SMR	0.62	1.07	0.90	1.05	0.99	1.00	1.02	0.95
CNTRL OBS	267	462	524	582	646	795	850	389
SMR	0.82	0.81	0.86	0.88	0.89	0.96	0.91	0.96
HODGKIN'S DISEASE								
STUDY OBS	1	0	1	2	2	0	0	0
SMR	1.13	0.00	0.62	1.19	1.23	0.00	0.00	0.00
CNTRL OBS	3	5	7	6	8	7	1	2
SMR	0.78	0.78	1.08	0.93	1.34	1.44	0.26	1.36
OTHER LYMPHOMA								
STUDY OBS	2	5	7	5	9	4	5	2
SMR	1.32	1.68	1.97	1.19	1.86	0.73	0.75	0.66
CNTRL OBS	9	9	11	12	14	19	22	15
SMR	1.39	0.73	0.76	0.72	0.75	0.91	0.90	1.38
MULTIPLE MYELOMA								
STUDY OBS	1	4	5	3	1	5	4	2
SMR	1.64	2.89	2.68	1.30	0.34	1.30	0.83	0.91
CNTRL OBS	1	4	9	7	16	9	22	11
SMR	0.39	0.70	1.19	0.76	1.37	0.60	1.21	1.37
DIGESTIVE ORGANS								
STUDY OBS	12	43	45	59	66	58	70	29
SMR	0.39	0.82	0.84	1.05	1.13	0.92	0.99	0.94
CNTRL OBS	103	166	154	178	190	226	218	82
SMR	0.81	0.77	0.70	0.79	0.83	0.92	0.82	0.72
STOMACH								
STUDY OBS	5	17	9	11	9	7	8	3
SMR	0.52	1.11	0.66	0.89	0.82	0.67	0.76	0.67
CNTRL OBS	43	51	42	31	37	36	32	8
SMR	1.07	0.81	0.75	0.62	0.85	0.88	0.81	0.49

Age at death: all

Surry 1,2 (1972)  
Isle of Wight, VA ; Surry, VA

Table 2-C.9

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM								
STUDY OBS	2	11	16	19	31		27	14
SMR	0.18	0.57	0.78	0.86	1.28		0.88	1.04
CNTRL OBS	28	58	47	73	86		104	35
SMR	0.62	0.73	0.56	0.81	0.89		0.89	0.70
LIVER (PRIMARY)								
STUDY OBS	0	7	3	3	2		2	3
SMR	0.00	1.11	0.48	0.52	0.45		0.46	1.55
CNTRL OBS	16	23	18	18	10		13	3
SMR	1.01	0.89	0.71	0.77	0.58		0.82	0.43
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	8	17	23	20	33		81	36
SMR	1.09	1.11	1.10	0.70	0.84		1.22	1.18
CNTRL OBS	22	45	73	103	138		232	105
SMR	0.71	0.71	0.86	0.91	0.92		0.96	0.97
BREAST (FEMALE)								
STUDY OBS	9	8	6	17	18		15	8
SMR	1.39	0.69	0.47	1.21	1.14		0.73	0.86
CNTRL OBS	15	62	44	48	51		59	37
SMR	0.56	1.30	0.86	0.86	0.83		0.79	1.15
THYROID								
STUDY OBS	0	3	1	0	0		0	1
SMR	0.00	5.32	1.76	0.00	0.00		0.00	4.28
CNTRL OBS	1	3	3	2	3		1	0
SMR	0.74	1.29	1.29	0.88	1.36		0.47	0.00
BONES & JOINTS								
STUDY OBS	0	2	1	1	0		1	0
SMR	0.00	1.61	0.89	0.96	0.00		1.26	0.00
CNTRL OBS	8	8	2	4	3		0	1
SMR	2.44	1.54	0.44	0.98	0.76		0.00	1.12
BLADDER								
STUDY OBS	0	4	5	5	5		8	1
SMR	0.00	1.00	1.20	1.13	1.06		1.49	0.44
CNTRL OBS	3	3	14	10	13		24	8
SMR	0.31	0.18	0.82	0.56	0.69		1.14	0.92
BRAIN & OTHER C.N.S.								
STUDY OBS	0	7	1	7	3		6	1
SMR	0.00	2.59	0.32	2.12	0.72		1.09	0.42
CNTRL OBS	6	8	9	19	16		20	3
SMR	0.93	0.70	0.72	1.50	1.04		1.04	0.37
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	2		3	1
SMR	0.00	0.00	0.00	0.00	1.08		1.73	2.22
CNTRL OBS	0	0	0	0	8		2	1
SMR	0.00	0.00	0.00	0.00	1.16		0.32	0.62



Age at death: under 10

Turkey Point 3,4 (1972)

Dade, FL

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	0	0	0	1	0	0	0	0
SMR	0.00	0.00	0.00	6.63	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>LIVER (PRIMARY)</b>								
STUDY OBS	0	2	0	2	0	0	1	1
SMR	0.00	2.43	0.00	1.92	0.00	0.00	0.90	1.83
CNTRL OBS	0	0	2	5	0	1	2	0
SMR	0.00	0.00	1.22	3.48	0.00	0.74	1.48	0.00
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	0	0	1	0	0	0
SMR	0.00	2.45	0.00	0.00	2.49	0.00	0.00	0.00
<b>BREAST (FEMALE)</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>THYROID</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BONES &amp; JOINTS</b>								
STUDY OBS	1	2	2	0	1	2	2	1
SMR	2.05	1.82	1.54	0.00	0.85	2.08	2.51	3.31
CNTRL OBS	0	1	2	5	1	2	0	0
SMR	0.00	0.63	1.11	2.86	0.66	1.61	0.00	0.00
<b>BLADDER</b>								
STUDY OBS	0	1	0	0	0	0	1	0
SMR	0.00	5.38	0.00	0.00	0.00	0.00	14.30	0.00
CNTRL OBS	0	1	0	0	1	0	0	0
SMR	0.00	3.65	0.00	0.00	4.74	0.00	0.00	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	2	12	23	22	11	8	11	3
SMR	0.41	1.01	1.43	1.47	0.87	0.78	1.19	0.74
CNTRL OBS	2	16	29	29	17	7	9	8
SMR	0.26	0.92	1.28	1.44	1.04	0.53	0.79	1.67
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	4	4	2	1
SMR	0.00	0.00	0.00	0.00	1.25	0.93	0.90	1.66
CNTRL OBS	0	0	0	0	3	1	1	0
SMR	0.00	0.00	0.00	0.00	0.73	0.18	0.37	0.00



Age at death: 10 to 19

Turkey Point 3,4 (1972)  
Dade, FL

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM								
STUDY OBS	2	0	1	1	2	0	1	0
SMR	7.38	0.00	1.74	1.51	2.63	0.00	1.40	0.00
CNTRL OBS	0	2	0	0	3	0	0	0
SMR	0.00	2.64	0.00	0.00	3.17	0.00	0.00	0.00
LIVER (PRIMARY)								
STUDY OBS	0	1	0	1	2	1	1	0
SMR	0.00	2.90	0.00	1.48	2.65	1.17	1.10	0.00
CNTRL OBS	0	0	2	1	1	1	1	0
SMR	0.00	0.00	2.96	1.14	1.06	0.95	0.93	0.00
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	0	0	0	0	1	1	0	0
SMR	0.00	0.00	0.00	0.00	2.18	2.36	0.00	0.00
CNTRL OBS	0	1	0	0	0	0	1	0
SMR	0.00	2.31	0.00	0.00	0.00	0.00	2.49	0.00
BREAST (FEMALE)								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	1	0	0	0	0	0	0	0
SMR	17.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	1	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	11.84	0.00
BONES & JOINTS								
STUDY OBS	0	3	2	12	7	5	9	2
SMR	0.00	0.78	0.38	1.76	0.88	0.65	1.38	0.84
CNTRL OBS	4	4	6	5	11	2	4	3
SMR	1.68	0.71	0.83	0.56	1.09	0.21	0.51	1.04
BLADDER								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	2	5	12	21	11	15	7	4
SMR	1.03	0.98	1.59	2.36	1.05	1.38	0.75	1.17
CNTRL OBS	4	9	15	11	10	11	9	3
SMR	1.30	1.22	1.46	0.95	0.76	0.82	0.81	0.73
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	6	1	1	0
SMR	0.00	0.00	0.00	0.00	2.16	0.26	0.69	0.00
CNTRL OBS	0	0	0	0	0	5	1	0
SMR	0.00	0.00	0.00	0.00	0.00	1.04	0.58	0.00



Turkey Point 3,4 (1972)  
Dade, FL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	11	26	30	31	35	38	40	30
	SMR	0.93	1.08	1.07	1.04	1.09	1.01	0.93	1.61
CNTRL	OBS	14	36	32	37	37	41	52	29
	SMR	0.92	1.20	0.93	1.04	0.98	0.92	1.04	1.29
ALL CANCER, EXCL LEUK									
STUDY	OBS	120	233	301	289	294	292	310	153
	SMR	1.01	1.00	1.10	1.02	1.03	0.96	0.92	1.03
CNTRL	OBS	157	266	360	347	336	368	383	177
	SMR	1.03	0.92	1.11	1.07	1.05	1.08	1.03	1.04
HODGKIN'S DISEASE									
STUDY	OBS	7	19	24	28	22	24	20	8
	SMR	0.78	1.05	1.08	1.14	0.90	1.09	1.03	1.03
CNTRL	OBS	6	24	21	27	13	25	24	13
	SMR	0.53	1.06	0.77	0.91	0.45	0.94	1.05	1.37
OTHER LYMPHOMA									
STUDY	OBS	6	7	15	16	12	17	17	10
	SMR	1.06	0.62	1.06	1.02	0.73	0.93	0.77	1.00
CNTRL	OBS	3	9	18	19	22	15	23	8
	SMR	0.41	0.64	1.05	1.02	1.16	0.70	0.91	0.68
MULTIPLE MYELOMA									
STUDY	OBS	0	0	0	1	0	0	2	1
	SMR	0.00	0.00	0.00	0.75	0.00	0.00	1.19	1.32
CNTRL	OBS	0	0	3	1	1	0	1	0
	SMR	0.00	0.00	1.93	0.67	0.71	0.00	0.57	0.00
DIGESTIVE ORGANS									
STUDY	OBS	22	45	59	51	37	43	49	31
	SMR	0.95	1.02	1.22	1.09	0.81	0.90	0.94	1.34
CNTRL	OBS	33	43	49	51	52	54	44	29
	SMR	1.10	0.79	0.86	0.96	1.05	1.04	0.78	1.13
STOMACH									
STUDY	OBS	4	8	10	13	6	5	4	6
	SMR	0.72	0.78	0.93	1.36	0.70	0.59	0.44	1.47
CNTRL	OBS	7	13	9	10	8	14	5	8
	SMR	0.95	1.02	0.71	0.93	0.87	1.54	0.52	1.80

Age at death: 20 to 39

Turkey Point 3,4 (1972)  
Dade, FL

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84	
COLON & RECTUM	STUDY									
	OBS	6	20	29	19	17	24	22	12	
	SMR	0.54	0.95	1.28	0.87	0.79	1.06	0.91	1.15	
	CNTRL	12	13	24	24	23	23	18	14	
LIVER (PRIMARY)	STUDY									
	OBS	9	4	11	7	5	4	9	7	
	SMR	3.44	0.83	2.15	1.40	1.07	0.80	1.42	2.34	
	CNTRL	7	2	5	7	6	3	7	3	
TRACHEA, BRONCHUS, LUNG	STUDY									
	OBS	3	20	27	26	37	39	29	13	
	SMR	0.47	1.37	1.28	1.01	1.29	1.28	0.90	0.93	
	CNTRL	9	21	44	33	42	51	47	21	
BREAST (FEMALE)	STUDY									
	OBS	15	31	35	49	54	52	44	27	
	SMR	0.91	0.93	0.88	1.19	1.28	1.14	0.80	1.06	
	CNTRL	24	34	45	45	42	57	60	21	
THYROID	STUDY									
	OBS	1	1	0	1	1	1	1	0	
	SMR	2.45	1.20	0.00	1.11	1.15	1.27	1.23	0.00	
	CNTRL	0	0	0	0	1	0	2	1	
BONES & JOINTS	STUDY									
	OBS	3	3	2	5	6	2	3	6	
	SMR	1.35	0.73	0.46	1.13	1.20	0.34	0.46	2.16	
	CNTRL	1	6	4	6	3	3	6	4	
BLADDER	STUDY									
	OBS	1	1	0	1	0	0	0	1	
	SMR	1.29	0.76	0.00	0.89	0.00	0.00	0.00	2.00	
	CNTRL	2	3	1	1	1	1	2	1	
BRAIN & OTHER C.N.S.	STUDY									
	OBS	8	18	17	16	26	22	40	11	
	SMR	0.88	0.98	0.76	0.72	1.06	0.80	1.34	0.86	
	CNTRL	6	18	29	29	26	40	37	20	
BENIGN & UNSPEC NEOPLASMS	STUDY									
	OBS	0	0	0	0	6	13	6	4	
	SMR	0.00	0.00	0.00	0.00	0.82	1.20	1.03	3.01	
	CNTRL	0	0	0	0	8	10	3	2	
	STUDY									
	OBS	0	0	0	0	0.98	0.81	0.46	1.31	
	SMR	0.00	0.00	0.00	0.00	0.98	0.81	0.46	1.31	
	CNTRL	0	0	0	0	0.98	0.81	0.46	1.31	

Age at death: 40 to 59

Turkey Point 3,4 (1972)  
Dade, FL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA	STUDY OBS	33	53	58	82	81	111	89	41
	SMR	1.20	0.91	0.80	1.00	0.90	1.15	0.86	0.94
	CNTRL OBS	34	62	81	93	80	71	98	44
ALL CANCER, EXCL LEUK	STUDY OBS	1.11	1.01	1.11	1.15	0.93	0.76	1.00	1.05
	STUDY OBS	803	1771	2323	2710	3223	3380	3324	1339
	SMR	1.08	1.11	1.14	1.11	1.12	1.04	0.95	0.91
HODGKIN'S DISEASE	CNTRL OBS	925	1878	2332	2814	3116	3569	3795	1484
	STUDY OBS	1.06	1.07	1.11	1.16	1.12	1.13	1.14	1.05
	STUDY OBS	8	22	22	34	36	23	25	11
OTHER LYMPHOMA	SMR	0.75	0.96	0.77	1.03	1.08	0.87	1.26	1.48
	CNTRL OBS	15	22	23	35	20	14	12	4
	STUDY OBS	1.27	0.92	0.79	1.08	0.62	0.55	0.64	0.56
MULTIPLE MYELOMA	STUDY OBS	16	41	76	85	111	95	108	41
	SMR	0.85	0.95	1.27	1.12	1.24	1.00	1.04	0.93
	CNTRL OBS	18	46	60	65	79	85	88	39
DIGESTIVE ORGANS	STUDY OBS	0.87	1.02	1.01	0.89	0.94	0.93	0.90	0.92
	STUDY OBS	8	18	26	30	34	37	34	19
	SMR	1.16	1.05	1.06	1.06	1.00	0.90	0.73	0.96
STOMACH	CNTRL OBS	8	16	30	26	36	38	40	15
	STUDY OBS	0.97	0.83	1.14	0.89	1.07	0.93	0.90	0.79
	STUDY OBS	235	508	642	707	720	739	756	291
OTHER LYMPHOMA	SMR	0.99	1.05	1.13	1.12	1.04	1.01	0.99	0.92
	CNTRL OBS	274	527	626	646	664	738	755	301
	STUDY OBS	0.97	0.98	1.05	1.01	0.99	1.03	1.04	0.99
OTHER LYMPHOMA	STUDY OBS	57	114	109	121	97	94	97	36
	SMR	0.94	1.01	0.95	1.10	0.90	0.91	0.96	0.87
	CNTRL OBS	76	116	110	107	104	99	92	40
DIGESTIVE ORGANS	STUDY OBS	1.00	0.88	0.88	0.93	0.97	0.96	0.95	1.00
	STUDY OBS	235	508	642	707	720	739	756	291
	SMR	0.99	1.05	1.13	1.12	1.04	1.01	0.99	0.92
STOMACH	CNTRL OBS	274	527	626	646	664	738	755	301
	STUDY OBS	0.97	0.98	1.05	1.01	0.99	1.03	1.04	0.99
	STUDY OBS	57	114	109	121	97	94	97	36
OTHER LYMPHOMA	SMR	0.94	1.01	0.95	1.10	0.90	0.91	0.96	0.87
	CNTRL OBS	76	116	110	107	104	99	92	40
	STUDY OBS	1.00	0.88	0.88	0.93	0.97	0.96	0.95	1.00

Age at death: 40 to 59

Turkey Point 3,4 (1972)  
Dade, FL

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	96	205	251	257	321	326	317	127
SMR	1.00	1.04	1.06	0.96	1.08	1.02	0.97	0.95
CNTRL OBS	91	178	233	224	255	302	346	128
SMR	0.85	0.86	0.98	0.86	0.90	0.98	1.11	0.99
<b>LIVER (PRIMARY)</b>								
STUDY OBS	28	56	67	84	49	54	54	31
SMR	0.94	0.97	1.05	1.34	0.99	1.30	1.19	1.57
CNTRL OBS	43	68	88	93	38	35	30	13
SMR	1.20	1.05	1.30	1.45	0.77	0.85	0.69	0.69
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	143	328	467	633	834	930	960	375
SMR	1.46	1.38	1.30	1.24	1.18	1.02	0.90	0.81
CNTRL OBS	122	323	472	705	928	1156	1335	542
SMR	1.10	1.27	1.28	1.39	1.35	1.30	1.31	1.22
<b>BREAST (FEMALE)</b>								
STUDY OBS	85	223	290	372	453	480	471	230
SMR	0.86	1.03	1.02	1.06	1.08	1.06	0.99	1.18
CNTRL OBS	89	197	262	322	392	461	450	175
SMR	0.80	0.86	0.92	0.95	1.00	1.07	1.01	0.93
<b>THYROID</b>								
STUDY OBS	5	7	8	5	13	8	2	3
SMR	1.56	1.09	1.12	0.68	1.78	1.09	0.29	1.11
CNTRL OBS	5	5	6	7	6	7	1	3
SMR	1.36	0.73	0.82	0.96	0.86	0.99	0.15	1.14
<b>BONES &amp; JOINTS</b>								
STUDY OBS	9	10	19	10	12	15	9	7
SMR	1.45	0.84	1.56	0.84	0.98	1.26	1.00	2.32
CNTRL OBS	4	15	14	15	10	18	10	2
SMR	0.55	1.15	1.11	1.27	0.84	1.54	1.17	0.69
<b>BLADDER</b>								
STUDY OBS	15	33	39	38	51	50	40	14
SMR	1.02	1.14	1.21	1.10	1.39	1.34	1.12	0.99
CNTRL OBS	25	32	41	44	40	40	39	11
SMR	1.41	0.99	1.19	1.26	1.12	1.09	1.14	0.81
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	20	54	82	100	117	119	105	30
SMR	0.80	0.97	1.12	1.19	1.12	1.03	0.91	0.64
CNTRL OBS	19	50	86	92	99	102	132	42
SMR	0.71	0.89	1.19	1.14	1.01	0.92	1.21	0.92
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	25	29	18	6
SMR	0.00	0.00	0.00	0.00	0.86	0.69	0.85	1.32
CNTRL OBS	0	0	0	0	32	36	15	3
SMR	0.00	0.00	0.00	0.00	1.14	0.88	0.74	0.68

Age at death: 60 plus

Turkey Point 3,4 (1972)  
Dade, FL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA									
	STUDY OBS	41	112	169	219	360	405	464	174
	SMR	0.92	0.91	0.88	0.78	0.98	0.85	0.84	0.76
CNTRL	OBS	51	124	180	215	259	290	351	173
	SMR	0.99	1.00	1.02	0.97	0.99	0.94	0.92	1.00
ALL CANCER, EXCL LEUK									
	STUDY OBS	1372	3254	4759	6589	9112	11615	13630	5790
	SMR	1.00	0.95	0.97	0.95	0.98	0.94	0.94	0.95
CNTRL	OBS	1475	3439	4474	5571	6773	8705	11136	5099
	SMR	0.89	0.95	0.95	0.98	0.99	1.04	1.05	1.05
HODGKIN'S DISEASE									
	STUDY OBS	11	14	20	39	56	69	47	11
	SMR	1.20	0.61	0.61	0.89	1.06	1.32	1.06	0.66
CNTRL	OBS	7	29	33	36	35	27	23	15
	SMR	0.68	1.27	1.12	1.05	0.94	0.78	0.73	1.15
OTHER LYMPHOMA									
	STUDY OBS	19	64	98	177	272	368	441	185
	SMR	0.78	0.92	0.84	0.97	1.04	1.03	0.98	0.94
CNTRL	OBS	11	59	106	126	153	233	293	164
	SMR	0.40	0.85	1.01	0.88	0.83	1.00	0.93	1.09
MULTIPLE MYELOMA									
	STUDY OBS	8	19	63	91	121	191	228	91
	SMR	0.81	0.59	1.10	0.99	0.86	0.92	0.88	0.82
CNTRL	OBS	7	44	43	82	111	153	191	91
	SMR	0.61	1.33	0.79	1.07	1.04	1.04	0.98	1.00
DIGESTIVE ORGANS									
	STUDY OBS	595	1275	1798	2445	3077	3769	4269	1844
	SMR	0.97	0.87	0.91	0.94	0.96	0.95	0.97	1.03
CNTRL	OBS	577	1184	1557	1808	2015	2448	2927	1316
	SMR	0.78	0.76	0.82	0.84	0.85	0.91	0.92	0.93
STOMACH									
	STUDY OBS	168	301	412	453	504	610	632	233
	SMR	0.95	0.78	0.92	0.90	0.95	1.07	1.12	1.04
CNTRL	OBS	136	265	331	322	328	349	354	156
	SMR	0.62	0.63	0.74	0.74	0.81	0.87	0.84	0.87

Age at death: 60 plus

Turkey Point 3,4 (1972)  
Dade, FL

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM								
STUDY OBS	242	537	776	1115	1449	1854	1988	914
SMR	0.99	0.89	0.91	0.94	0.94	0.94	0.91	1.03
CNTRL OBS	226	477	662	794	931	1152	1374	653
SMR	0.78	0.75	0.82	0.82	0.83	0.88	0.89	0.95
LIVER (PRIMARY)								
STUDY OBS	55	136	208	305	188	208	249	116
SMR	0.73	0.78	0.91	1.18	0.90	1.10	1.17	1.30
CNTRL OBS	72	150	173	220	104	120	182	78
SMR	0.79	0.81	0.79	1.02	0.66	0.90	1.14	1.07
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	168	524	892	1341	2063	2673	3337	1439
SMR	1.27	1.32	1.25	1.13	1.11	0.96	0.93	0.93
CNTRL OBS	171	465	777	1130	1733	2396	3316	1556
SMR	1.14	1.19	1.21	1.20	1.30	1.27	1.24	1.22
BREAST (FEMALE)								
STUDY OBS	70	183	307	425	630	891	993	445
SMR	0.70	0.74	0.88	0.84	0.92	0.97	0.92	0.98
CNTRL OBS	85	233	287	372	443	586	748	349
SMR	0.71	0.88	0.84	0.88	0.86	0.91	0.93	0.94
THYROID								
STUDY OBS	2	12	21	27	37	37	43	14
SMR	0.32	0.77	1.00	1.03	1.17	0.98	1.13	0.94
CNTRL OBS	6	17	14	18	14	29	24	14
SMR	0.79	1.03	0.69	0.82	0.59	1.12	0.88	1.20
BONES & JOINTS								
STUDY OBS	9	13	28	17	47	48	27	9
SMR	0.81	0.54	1.01	0.51	1.17	1.10	0.84	0.91
CNTRL OBS	10	32	26	32	31	31	20	12
SMR	0.76	1.26	0.99	1.18	1.06	1.05	0.88	1.56
BLADDER								
STUDY OBS	52	175	208	252	339	432	443	192
SMR	0.98	1.33	1.13	1.00	1.03	1.03	0.98	1.07
CNTRL OBS	75	149	189	226	238	296	342	148
SMR	1.18	1.08	1.09	1.11	1.02	1.10	1.13	1.12
BRAIN & OTHER C.N.S.								
STUDY OBS	9	40	61	138	183	276	310	112
SMR	0.78	1.26	1.15	1.70	1.30	1.25	1.15	0.99
CNTRL OBS	10	35	40	64	111	157	225	107
SMR	0.82	1.18	0.88	1.03	1.11	1.04	1.14	1.17
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	73	144	94	26
SMR	0.00	0.00	0.00	0.00	1.03	1.08	1.07	1.22
CNTRL OBS	0	0	0	0	44	68	43	24
SMR	0.00	0.00	0.00	0.00	0.85	0.74	0.68	1.40



Age at death: all

Turkey Point 3,4 (1972)  
Dade, FL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY OBS	99		223	305	374	530		634	254
SHR	0.99		0.92	0.89	0.84	0.98		0.86	0.83
CNTRL OBS	121		268	345	417	425		544	270
SHR	1.00		0.99	0.97	1.02	0.94		0.95	1.06
<b>ALL CANCER, EXCL LEUK</b>									
STUDY OBS	2316		5312	7465	9696	12708		17334	7306
SHR	1.03		1.00	1.02	0.99	1.01		0.94	0.94
CNTRL OBS	2584		5662	7260	8824	10319		15381	6786
SHR	0.95		0.99	1.01	1.03	1.03		1.07	1.05
<b>HODGKIN'S DISEASE</b>									
STUDY OBS	28		55	70	109	117		95	32
SHR	0.94		0.82	0.80	1.03	1.02		1.10	0.98
CNTRL OBS	29		79	81	103	75		59	32
SHR	0.82		1.07	0.89	1.00	0.72		0.77	1.03
<b>OTHER LYMPHOMA</b>									
STUDY OBS	46		120	205	297	404		575	238
SHR	0.89		0.92	1.03	1.04	1.07		0.98	0.94
CNTRL OBS	36		123	195	223	269		413	217
SHR	0.61		0.89	1.00	0.89	0.90		0.92	1.04
<b>MULTIPLE MYELOMA</b>									
STUDY OBS	16		37	89	122	155		265	111
SHR	0.93		0.74	1.07	1.00	0.88		0.86	0.84
CNTRL OBS	15		60	76	109	148		232	106
SHR	0.73		1.11	0.92	1.01	1.04		0.96	0.96
<b>DIGESTIVE ORGANS</b>									
STUDY OBS	854		1831	2500	3208	3839		5077	2167
SHR	0.98		0.92	0.96	0.98	0.97		0.98	1.02
CNTRL OBS	885		1758	2236	2511	2736		3730	1646
SHR	0.84		0.82	0.87	0.88	0.88		0.94	0.94
<b>STOMACH</b>									
STUDY OBS	229		423	531	587	607		733	275
SHR	0.94		0.83	0.92	0.94	0.94		1.08	1.02
CNTRL OBS	220		394	450	439	440		451	204
SHR	0.73		0.69	0.77	0.79	0.84		0.86	0.91

Age at death: all

Turkey Point 3,4 (1972)  
Dade, FL

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84	
<b>COLON &amp; RECTUM</b>									
STUDY OBS	346	762	1057	1393	1789	2204	2328	1053	
SMR	0.98	0.92	0.95	0.94	0.96	0.95	0.92	1.02	
CNTRL OBS	329	670	919	1042	1212	1477	1738	795	
SMR	0.80	0.77	0.85	0.83	0.85	0.90	0.92	0.96	
<b>LIVER (PRIMARY)</b>									
STUDY OBS	92	199	286	399	244	267	314	155	
SMR	0.85	0.83	0.95	1.22	0.92	1.13	1.18	1.38	
CNTRL OBS	122	220	270	326	149	160	222	94	
SMR	0.93	0.85	0.91	1.13	0.69	0.87	1.05	0.98	
<b>TRACHEA, BRONCHUS, LUNG</b>									
STUDY OBS	314	872	1386	2000	2935	3643	4326	1827	
SMR	1.32	1.34	1.26	1.16	1.13	0.98	0.92	0.90	
CNTRL OBS	302	811	1293	1868	2704	3603	4699	2119	
SMR	1.12	1.22	1.25	1.26	1.31	1.28	1.26	1.22	
<b>BREAST (FEMALE)</b>									
STUDY OBS	170	437	632	846	1137	1423	1508	702	
SMR	0.79	0.88	0.94	0.94	0.99	1.01	0.94	1.04	
CNTRL OBS	199	464	594	739	877	1104	1258	545	
SMR	0.79	0.87	0.89	0.92	0.92	0.98	0.96	0.93	
<b>THYROID</b>									
STUDY OBS	8	20	29	33	51	46	46	17	
SMR	0.80	0.87	0.99	0.95	1.28	1.00	1.00	0.95	
CNTRL OBS	11	22	20	25	21	36	28	18	
SMR	0.93	0.89	0.70	0.82	0.66	1.06	0.80	1.22	
<b>BONES &amp; JOINTS</b>									
STUDY OBS	22	31	53	44	73	72	50	25	
SMR	1.02	0.69	1.04	0.76	1.10	1.03	0.91	1.36	
CNTRL OBS	19	58	52	63	56	56	40	21	
SMR	0.72	1.14	0.97	1.15	0.95	0.94	0.83	1.21	
<b>BLADDER</b>									
STUDY OBS	68	210	247	291	390	482	484	207	
SMR	0.99	1.30	1.13	1.01	1.06	1.05	0.99	1.06	
CNTRL OBS	102	185	231	271	280	337	383	160	
SMR	1.24	1.08	1.10	1.13	1.03	1.10	1.13	1.09	
<b>BRAIN &amp; OTHER C.N.S.</b>									
STUDY OBS	41	129	195	297	348	440	473	160	
SMR	0.78	1.05	1.13	1.41	1.19	1.14	1.09	0.89	
CNTRL OBS	41	128	199	225	263	317	412	180	
SMR	0.67	0.96	1.12	1.12	1.03	0.99	1.13	1.12	
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>									
STUDY OBS	0	0	0	0	114	191	121	37	
SMR	0.00	0.00	0.00	0.00	1.01	0.99	1.02	1.32	
CNTRL OBS	0	0	0	0	87	120	63	29	
SMR	0.00	0.00	0.00	0.00	0.91	0.77	0.67	1.21	



Age at death: under 10

Vermont Yankee 1 (1972)  
Cheshire, NH ; Franklin, MA ; Windham, VT

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
LIVER (PRIMARY)	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	1	0	0	0	0
	SMR	0.00	0.00	0.00	6.17	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	1	0	0	0
BREAST (FEMALE)	SMR	0.00	0.00	0.00	0.00	24.80	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
BONES & JOINTS	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	1	1	0	0	0	0
	SMR	0.00	0.00	4.84	5.16	0.00	0.00	0.00	0.00
BLADDER	CNTRL OBS	0	0	0	0	0	1	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	4.15	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
BRAIN & OTHER C.N.S.	SMR	0.00	13.86	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	1	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	1	1	2	2	3	2	0	3
	SMR	0.76	0.42	0.80	0.93	1.79	1.58	0.00	6.96
	CNTRL OBS	1	4	5	4	5	3	0	2
	SMR	0.41	0.91	1.09	1.00	1.57	1.23	0.00	2.28
	STUDY OBS	0	0	0	0	2	2	0	0
	SMR	0.00	0.00	0.00	0.00	4.97	3.90	0.00	0.00
	CNTRL OBS	0	0	0	0	1	1	0	0
	SMR	0.00	0.00	0.00	0.00	1.30	1.02	0.00	0.00









Table 2-C.11

Age at death: 20 to 39		Vermont Yankee 1 (1972) Cheshire, NH ; Franklin, MA ; Windham, VT									
		YEARS BEFORE STARTUP					YEARS AFTER STARTUP				
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84		
LEUKEMIA & ALEUKEMIA											
STUDY	OBS	6	5	6	2	1	3	6	0		
	SMR	2.67	1.38	1.78	0.59	0.28	0.71	1.28	0.00		
CNTRL	OBS	2	5	2	12	10	6	8	8		
	SMR	0.49	0.77	0.33	1.95	1.53	0.78	0.89	2.07		
ALL CANCER, EXCL LEUK											
STUDY	OBS	20	29	36	35	27	30	36	15		
	SMR	0.99	0.90	1.18	1.18	0.93	0.96	1.04	0.99		
CNTRL	OBS	41	64	53	56	48	56	77	25		
	SMR	1.12	1.10	0.97	1.04	0.90	0.96	1.15	0.85		
HODGKIN'S DISEASE											
STUDY	OBS	4	4	7	9	3	1	3	3		
	SMR	2.27	1.40	2.46	2.97	1.01	0.37	1.30	3.37		
CNTRL	OBS	5	2	6	9	9	2	9	0		
	SMR	1.57	0.39	1.17	1.64	1.67	0.41	2.05	0.00		
OTHER LYMPHOMA											
STUDY	OBS	0	1	2	0	2	4	3	0		
	SMR	0.00	0.59	1.17	0.00	1.09	1.91	1.23	0.00		
CNTRL	OBS	0	4	4	5	6	5	5	0		
	SMR	0.00	1.31	1.31	1.56	1.79	1.30	1.07	0.00		
MULTIPLE MYELOMA											
STUDY	OBS	0	1	1	0	1	1	0	0		
	SMR	0.00	7.04	7.47	0.00	9.39	8.67	0.00	0.00		
CNTRL	OBS	0	0	1	1	0	0	0	0		
	SMR	0.00	0.00	4.25	4.51	0.00	0.00	0.00	0.00		
DIGESTIVE ORGANS											
STUDY	OBS	3	8	4	8	4	5	2	1		
	SMR	0.77	1.35	0.78	1.76	0.96	1.15	0.41	0.48		
CNTRL	OBS	9	15	6	9	2	7	12	3		
	SMR	1.28	1.42	0.66	1.10	0.26	0.85	1.28	0.73		
STOMACH											
STUDY	OBS	0	0	0	1	0	0	1	0		
	SMR	0.00	0.00	0.00	1.19	0.00	0.00	1.32	0.00		
CNTRL	OBS	2	1	1	1	0	0	0	0		
	SMR	1.26	0.43	0.53	0.66	0.00	0.00	0.00	0.00		

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY OBS	2	7	1	7	3	5	0	0
	SMR	1.01	2.33	0.39	3.09	1.45	2.28	0.00	0.00
	CNTRL OBS	4	8	4	4	1	5	7	1
LIVER (PRIMARY)	SMR	1.13	1.49	0.88	0.98	0.26	1.21	1.51	0.50
	STUDY OBS	1	0	0	0	0	0	0	1
	SMR	2.57	0.00	0.00	0.00	0.00	0.00	0.00	4.52
TRACHEA, BRONCHUS, LUNG	CNTRL OBS	1	2	0	2	0	0	0	0
	SMR	1.43	1.92	0.00	2.54	0.00	0.00	0.00	0.00
	STUDY OBS	2	0	1	2	3	3	2	0
BREAST (FEMALE)	SMR	1.79	0.00	0.43	0.78	1.13	1.05	0.63	0.00
	CNTRL OBS	0	7	7	3	2	6	7	2
	SMR	0.00	1.93	1.70	0.65	0.40	1.09	1.13	0.73
THYROID	STUDY OBS	2	0	4	3	4	5	3	2
	SMR	0.74	0.00	0.91	0.74	1.03	1.17	0.56	0.81
	CNTRL OBS	6	7	9	10	6	9	16	5
BONES & JOINTS	SMR	1.22	0.87	1.15	1.35	0.83	1.11	1.54	1.05
	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BLADDER	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	1	0	0	0	0	3	0
BRAIN & OTHER C.N.S.	SMR	0.00	1.64	0.00	0.00	0.00	0.00	4.08	0.00
	CNTRL OBS	1	0	0	0	1	1	3	0
	SMR	1.34	0.00	0.00	0.00	0.98	0.80	2.17	0.00
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	2	0	0	0	0	0	0	1
	SMR	18.05	0.00	0.00	0.00	0.00	0.00	0.00	19.17
	CNTRL OBS	0	1	0	0	0	0	2	0
	SMR	0.00	3.78	0.00	0.00	0.00	0.00	9.49	0.00
	STUDY OBS	1	1	5	4	3	2	7	0
	SMR	0.56	0.34	1.79	1.52	1.07	0.62	1.99	0.00
	CNTRL OBS	4	5	5	4	3	3	3	4
	SMR	1.24	0.96	1.00	0.84	0.59	0.51	0.44	1.34
	STUDY OBS	0	0	0	0	1	4	1	0
	SMR	0.00	0.00	0.00	0.00	1.43	3.74	1.74	0.00
	CNTRL OBS	0	0	0	0	2	2	0	0
	SMR	0.00	0.00	0.00	0.00	1.57	1.02	0.00	0.00

Table 2-C.11

Age at death: 40 to 59

Vermont Yankee 1 (1972)  
Cheshire, NH ; Franklin, MA ; Windham, VT

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	7	5	5	10	6	8	6	5
SMR	1.25	0.53	0.53	1.04	0.63	0.86	0.66	1.41
CNTRL OBS	11	21	11	21	15	15	14	7
SMR	1.06	1.21	0.64	1.21	0.87	0.88	0.80	1.00
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	154	248	260	273	273	301	294	99
SMR	1.05	1.01	1.03	1.00	0.93	1.00	1.00	0.88
CNTRL OBS	277	483	477	525	595	564	556	210
SMR	1.03	1.07	1.03	1.07	1.13	1.03	0.99	0.95
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	2	6	1	4	2	3	3	0
SMR	0.94	1.61	0.26	1.02	0.55	1.16	1.69	0.00
CNTRL OBS	7	9	6	5	10	2	8	3
SMR	1.78	1.32	0.87	0.71	1.54	0.42	2.33	2.40
<b>OTHER LYMPHOMA</b>								
STUDY OBS	6	5	8	7	8	8	13	4
SMR	1.54	0.71	1.01	0.77	0.82	0.84	1.37	1.07
CNTRL OBS	8	19	18	14	10	12	20	5
SMR	1.12	1.47	1.24	0.85	0.57	0.69	1.10	0.68
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	6	4	3	5	4	5	1
SMR	0.00	2.37	1.40	1.03	1.57	1.13	1.40	0.74
CNTRL OBS	4	7	7	3	3	12	3	3
SMR	1.63	1.50	1.33	0.57	0.52	1.86	0.44	1.12
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	52	74	71	62	75	69	61	20
SMR	1.12	1.01	1.03	0.90	1.09	1.04	0.99	0.86
CNTRL OBS	99	136	118	133	147	128	112	39
SMR	1.16	1.00	0.93	1.06	1.19	1.06	0.95	0.86
<b>STOMACH</b>								
STUDY OBS	11	11	10	9	13	8	4	3
SMR	0.99	0.68	0.77	0.80	1.29	0.90	0.51	1.03
CNTRL OBS	25	27	25	21	23	13	9	2
SMR	1.22	0.91	1.04	1.03	1.27	0.80	0.60	0.35

Age at death: 40 to 59

Vermont Yankee 1 (1972)  
Cheshire, NH ; Franklin, MA ; Windham, VT

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY OBS	28	35	34	33	33	38	28	9
	SMR	1.43	1.10	1.12	1.07	1.05	1.23	0.98	0.85
	CNTRL OBS	52	65	57	66	70	61	59	20
	SMR	1.44	1.11	1.01	1.18	1.24	1.09	1.09	0.97
LIVER (PRIMARY)	STUDY OBS	8	9	8	3	2	1	1	1
	SMR	1.39	1.04	1.05	0.45	0.43	0.29	0.30	0.77
	CNTRL OBS	13	14	7	9	8	8	8	2
	SMR	1.23	0.88	0.50	0.75	0.96	1.27	1.26	0.78
TRACHEA, BRONCHUS, LUNG	STUDY OBS	17	36	45	68	65	79	81	28
	SMR	0.85	0.95	0.98	1.17	0.89	0.92	0.89	0.79
	CNTRL OBS	30	91	87	118	130	155	153	71
	SMR	0.82	1.30	1.03	1.12	0.98	0.99	0.88	1.01
BREAST (FEMALE)	STUDY OBS	24	40	31	40	44	37	46	18
	SMR	1.21	1.17	0.86	1.01	1.03	0.87	1.13	1.14
	CNTRL OBS	30	51	76	70	89	67	82	21
	SMR	0.82	0.81	1.15	0.98	1.16	0.86	1.06	0.70
THYROID	STUDY OBS	0	1	1	1	0	2	1	0
	SMR	0.00	0.98	1.12	1.24	0.00	2.88	1.65	0.00
	CNTRL OBS	1	3	3	2	2	1	1	1
	SMR	0.85	1.60	1.82	1.37	1.50	0.79	0.86	2.32
BONES & JOINTS	STUDY OBS	0	1	0	3	0	1	0	0
	SMR	0.00	0.54	0.00	2.24	0.00	0.91	0.00	0.00
	CNTRL OBS	1	3	1	1	2	1	1	0
	SMR	0.45	0.88	0.36	0.41	0.89	0.50	0.69	0.00
BLADDER	STUDY OBS	3	7	8	4	3	6	3	1
	SMR	1.04	1.59	2.06	1.06	0.80	1.67	0.95	0.89
	CNTRL OBS	8	14	4	10	8	7	13	3
	SMR	1.52	1.72	0.56	1.46	1.18	1.07	2.16	1.34
BRAIN & OTHER C.N.S.	STUDY OBS	5	13	8	11	8	11	11	7
	SMR	0.94	1.39	0.80	1.07	0.70	0.95	1.02	1.70
	CNTRL OBS	5	24	15	20	21	26	20	11
	SMR	0.51	1.40	0.82	1.08	1.02	1.22	0.97	1.35
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	1	7	3	1
	SMR	0.00	0.00	0.00	0.00	0.36	1.86	1.71	3.11
	CNTRL OBS	0	0	0	0	8	6	2	1
	SMR	0.00	0.00	0.00	0.00	1.59	0.87	0.60	1.59

Age at death: 60 plus

Vermont Yankee 1 (1972)  
Cheshire, NH ; Franklin, MA ; Windham, VT

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	10	29	40	34	36	40	54	24
SMR	0.69	1.04	1.22	0.93	0.92	0.95	1.14	1.17
CNTRL OBS	35	35	66	76	80	79	84	29
SMR	1.33	0.69	1.11	1.14	1.12	1.02	0.94	0.75
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	443	793	857	912	997	1096	1278	524
SMR	0.98	1.01	1.03	1.03	1.05	1.03	1.04	0.98
CNTRL OBS	798	1469	1554	1645	1793	1954	2395	1113
SMR	0.98	1.03	1.03	1.02	1.03	0.99	1.03	1.10
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	6	12	5	6	8	6	4	3
SMR	2.14	2.41	0.95	1.09	1.46	1.29	1.03	1.97
CNTRL OBS	12	9	8	17	15	11	9	7
SMR	2.37	1.00	0.84	1.69	1.50	1.28	1.23	2.43
<b>OTHER LYMPHOMA</b>								
STUDY OBS	8	26	18	22	20	24	41	14
SMR	1.06	1.71	0.94	0.95	0.73	0.76	1.03	0.78
CNTRL OBS	9	30	39	45	63	44	84	44
SMR	0.66	1.09	1.13	1.06	1.26	0.75	1.12	1.29
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	8	4	17	8	21	23	9
SMR	0.00	1.22	0.45	1.53	0.58	1.22	1.09	0.97
CNTRL OBS	8	9	24	27	24	31	42	26
SMR	1.54	0.76	1.49	1.34	0.95	0.97	1.06	1.48
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	210	329	376	359	369	377	377	140
SMR	1.03	0.96	1.10	1.06	1.11	1.09	1.02	0.89
CNTRL OBS	349	576	627	599	580	572	750	316
SMR	0.95	0.93	1.01	0.97	0.95	0.90	1.07	1.07
<b>STOMACH</b>								
STUDY OBS	54	75	83	57	58	58	40	12
SMR	0.93	0.83	1.08	0.89	1.08	1.20	0.87	0.64
CNTRL OBS	88	139	130	94	69	76	81	33
SMR	0.84	0.85	0.93	0.80	0.70	0.85	0.93	0.93

Age at death: 60 plus

Vermont Yankee 1 (1972)  
Cheshire, NH ; Franklin, MA ; Windham, VT

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	108	167	188	191	190	208	212	76
SMR	1.29	1.14	1.24	1.21	1.16	1.19	1.13	0.96
CNTRL OBS	175	262	315	311	321	311	401	177
SMR	1.15	0.99	1.14	1.08	1.07	0.96	1.13	1.18
<b>LIVER (PRIMARY)</b>								
STUDY OBS	24	26	41	37	12	12	11	7
SMR	0.96	0.63	1.04	1.10	0.56	0.75	0.63	0.93
CNTRL OBS	29	66	66	58	26	18	35	8
SMR	0.64	0.89	0.92	0.95	0.66	0.61	1.07	0.56
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	25	72	84	128	191	239	308	139
SMR	0.64	0.89	0.78	0.91	1.04	1.00	1.00	1.01
CNTRL OBS	69	154	175	244	358	440	547	282
SMR	0.98	1.05	0.89	0.95	1.07	1.00	0.94	1.08
<b>BREAST (FEMALE)</b>								
STUDY OBS	39	61	83	81	68	78	92	45
SMR	1.13	1.00	1.29	1.18	0.91	0.93	0.96	1.09
CNTRL OBS	59	110	138	129	141	177	206	81
SMR	0.95	1.00	1.19	1.03	1.02	1.14	1.13	1.02
<b>THYROID</b>								
STUDY OBS	1	7	2	2	0	4	2	0
SMR	0.47	1.88	0.54	0.57	0.00	1.18	0.60	0.00
CNTRL OBS	4	5	2	5	5	2	7	2
SMR	1.05	0.74	0.30	0.78	0.80	0.32	1.11	0.78
<b>BONES &amp; JOINTS</b>								
STUDY OBS	3	8	5	8	7	4	5	1
SMR	0.83	1.42	1.06	1.88	1.69	1.05	1.81	1.12
CNTRL OBS	9	14	9	7	5	5	3	1
SMR	1.37	1.38	1.05	0.90	0.66	0.71	0.58	0.60
<b>BLADDER</b>								
STUDY OBS	19	30	41	28	55	44	43	14
SMR	1.05	0.96	1.27	0.85	1.61	1.21	1.13	0.88
CNTRL OBS	41	78	81	79	97	94	85	38
SMR	1.25	1.37	1.38	1.31	1.55	1.40	1.19	1.27
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	0	10	1	12	14	14	22	14
SMR	0.00	1.59	0.13	1.22	0.98	0.71	0.92	1.35
CNTRL OBS	3	12	13	19	23	32	49	16
SMR	0.52	1.05	0.90	1.06	0.88	0.88	1.08	0.81
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	8	6	6	0
SMR	0.00	0.00	0.00	0.00	1.14	0.51	0.82	0.00
CNTRL OBS	0	0	0	0	14	32	10	4
SMR	0.00	0.00	0.00	0.00	1.08	1.48	0.72	1.17



Age at death: all

Vermont Yankee 1 (1972)  
Cheshire, NH ; Franklin, MA ; Windham, VT

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	28	44	59	54	56	54	68	30
	SMR	1.04	0.90	1.10	0.93	0.94	0.88	1.04	1.08
CNTRL	OBS	57	70	99	122	113	119	120	49
	SMR	1.16	0.79	1.01	1.16	1.04	1.05	0.96	0.93
ALL CANCER, EXCL LEUK									
STUDY	OBS	621	1073	1159	1233	1307	1436	1615	641
	SMR	1.00	1.00	1.03	1.03	1.02	1.02	1.03	0.96
CNTRL	OBS	1121	2041	2098	2237	2457	2590	3034	1357
	SMR	0.99	1.04	1.03	1.03	1.05	1.00	1.02	1.07
HODGKIN'S DISEASE									
STUDY	OBS	12	22	14	20	14	11	10	6
	SMR	1.71	1.81	1.12	1.53	1.11	1.06	1.21	1.91
CNTRL	OBS	26	22	20	31	37	15	26	10
	SMR	2.03	1.00	0.88	1.30	1.61	0.79	1.65	1.65
OTHER LYMPHOMA									
STUDY	OBS	14	32	30	30	32	37	60	18
	SMR	1.05	1.26	0.99	0.84	0.80	0.83	1.14	0.78
CNTRL	OBS	17	55	61	64	82	63	109	51
	SMR	0.70	1.19	1.11	0.99	1.12	0.77	1.09	1.16
MULTIPLE MYELOMA									
STUDY	OBS	0	15	9	20	14	26	28	10
	SMR	0.00	1.63	0.76	1.42	0.82	1.25	1.13	0.93
CNTRL	OBS	12	16	32	31	27	43	45	29
	SMR	1.54	0.95	1.48	1.21	0.87	1.12	0.96	1.43
DIGESTIVE ORGANS									
STUDY	OBS	265	412	451	430	448	452	440	161
	SMR	1.04	0.97	1.08	1.04	1.10	1.09	1.00	0.88
CNTRL	OBS	457	728	751	741	732	707	874	358
	SMR	0.99	0.95	0.99	0.99	0.99	0.92	1.06	1.03
STOMACH									
STUDY	OBS	65	86	93	67	71	67	45	15
	SMR	0.92	0.80	1.03	0.88	1.10	1.16	0.82	0.68
CNTRL	OBS	115	167	156	116	92	89	90	35
	SMR	0.90	0.86	0.95	0.84	0.78	0.83	0.87	0.84

Age at death: all

Vermont Yankee 1 (1972)  
Cheshire, NH ; Franklin, MA ; Windham, VT

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84	
COLON & RECTUM									
STUDY OBS	138	209	223	231	226	251	240	240	85
SMR	1.31	1.16	1.20	1.21	1.15	1.21	1.09	1.09	0.93
CNTRL OBS	231	335	376	381	393	377	467	467	198
SMR	1.21	1.02	1.12	1.10	1.09	0.98	1.13	1.13	1.15
LIVER (PRIMARY)									
STUDY OBS	33	35	49	41	14	13	12	12	9
SMR	1.05	0.69	1.02	1.00	0.52	0.65	0.56	0.56	0.98
CNTRL OBS	43	82	73	69	35	26	43	43	10
SMR	0.76	0.89	0.84	0.93	0.71	0.70	1.06	1.06	0.57
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	44	108	130	198	260	321	391	391	167
SMR	0.73	0.90	0.83	0.98	1.00	0.98	0.97	0.97	0.95
CNTRL OBS	100	252	269	365	490	602	708	708	355
SMR	0.91	1.14	0.94	0.99	1.04	1.00	0.93	0.93	1.06
BREAST (FEMALE)									
STUDY OBS	65	101	118	124	116	120	141	141	65
SMR	1.14	1.01	1.12	1.10	0.96	0.92	0.99	0.99	1.09
CNTRL OBS	95	168	223	209	236	253	304	304	107
SMR	0.92	0.93	1.17	1.02	1.07	1.05	1.13	1.13	0.94
THYROID									
STUDY OBS	1	8	3	3	0	6	3	3	0
SMR	0.35	1.64	0.63	0.68	0.00	1.44	0.75	0.75	0.00
CNTRL OBS	5	8	5	7	7	3	8	8	3
SMR	0.97	0.91	0.58	0.87	0.90	0.39	1.05	1.05	0.98
BONES & JOINTS									
STUDY OBS	3	10	6	13	8	6	8	8	1
SMR	0.51	1.10	0.77	1.79	1.11	0.90	1.57	1.57	0.58
CNTRL OBS	11	21	10	8	9	9	8	8	1
SMR	1.03	1.26	0.70	0.60	0.68	0.73	0.82	0.82	0.30
BLADDER									
STUDY OBS	24	37	49	32	58	50	46	46	16
SMR	1.14	1.03	1.35	0.87	1.52	1.25	1.11	1.11	0.94
CNTRL OBS	49	94	85	89	105	101	100	100	41
SMR	1.28	1.44	1.29	1.32	1.51	1.37	1.28	1.28	1.27
BRAIN & OTHER C.N.S.									
STUDY OBS	7	26	16	31	31	29	43	43	24
SMR	0.57	1.18	0.65	1.18	0.98	0.78	1.06	1.06	1.43
CNTRL OBS	13	49	41	49	53	66	72	72	35
SMR	0.58	1.22	0.92	1.03	0.92	0.96	0.94	0.94	1.08
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0	0	12	19	11	11	1
SMR	0.00	0.00	0.00	0.00	1.07	1.09	1.09	1.09	0.43
CNTRL OBS	0	0	0	0	25	41	12	12	5
SMR	0.00	0.00	0.00	0.00	1.21	1.27	0.63	0.63	1.13



Zion 1,2 (1972)  
Kenosha, WI ; Lake, IL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	1	0	0	0	0	0
	SMR	0.00	0.00	3.28	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)	STUDY OBS	0	0	1	0	2	2	0	0
	SMR	0.00	0.00	1.58	0.00	3.75	4.24	0.00	0.00
	CNTRL OBS	1	2	0	1	1	1	0	1
	SMR	1.66	1.57	0.00	0.60	0.64	0.74	0.00	1.49
TRACHEA, BRONCHUS, LUNG	STUDY OBS	0	0	0	0	0	0	0	1
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.77
	CNTRL OBS	0	0	0	1	1	0	0	0
	SMR	0.00	0.00	0.00	2.69	2.28	0.00	0.00	0.00
BREAST (FEMALE)	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	1	0	0	0	0	0	0
	SMR	0.00	11.30	0.00	0.00	0.00	0.00	0.00	0.00
THYROID	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS	STUDY OBS	0	1	1	1	0	0	0	0
	SMR	0.00	1.60	1.45	1.43	0.00	0.00	0.00	0.00
	CNTRL OBS	2	0	1	2	4	0	2	0
	SMR	2.48	0.00	0.52	1.00	2.16	0.00	1.82	0.00
BLADDER	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	1	0	0	0	0	0	0
	SMR	0.00	3.36	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.	STUDY OBS	4	13	9	7	6	3	6	1
	SMR	1.34	1.93	1.04	0.89	0.94	0.63	1.44	0.59
	CNTRL OBS	8	19	26	34	17	17	10	5
	SMR	0.99	1.04	1.10	1.53	0.92	1.24	0.81	0.99
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	0	2	1	0
	SMR	0.00	0.00	0.00	0.00	0.00	1.03	1.05	0.00
	CNTRL OBS	0	0	0	0	5	5	3	0
	SMR	0.00	0.00	0.00	0.00	1.13	0.91	1.09	0.00

Age at death: 10 to 19

Table 2-C.12

Zion 1,2 (1972)  
Kenosha, WI ; Lake, IL

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	8	4	11	7	10	11	8	0
SMR	2.77	0.60	1.25	0.65	0.84	0.99	0.86	0.00
CNTRL OBS	6	12	25	29	39	37	23	16
SMR	0.86	0.77	1.23	1.10	1.28	1.25	0.92	1.88
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	3	10	16	24	13	24	15	7
SMR	0.52	0.78	0.94	1.13	0.57	1.18	0.89	1.21
CNTRL OBS	15	33	37	41	67	49	31	9
SMR	1.12	1.14	0.98	0.83	1.19	0.93	0.70	0.59
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	1	0	0	5	0	0	0	0
SMR	1.57	0.00	0.00	2.08	0.00	0.00	0.00	0.00
CNTRL OBS	2	0	8	8	2	4	2	0
SMR	1.41	0.00	1.89	1.50	0.40	1.10	0.70	0.00
<b>OTHER LYMPHOMA</b>								
STUDY OBS	0	1	3	2	2	9	2	1
SMR	0.00	0.53	1.14	0.61	0.58	3.01	0.82	1.23
CNTRL OBS	1	3	4	3	16	4	6	1
SMR	0.57	0.72	0.69	0.39	1.89	0.51	0.95	0.47
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	0.00	37.64	0.00	0.00
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	0	0	0	1	1	2	0	0
SMR	0.00	0.00	0.00	1.09	1.02	2.10	0.00	0.00
CNTRL OBS	1	5	1	2	5	2	1	1
SMR	1.14	3.24	0.61	0.98	2.21	0.85	0.48	1.43
<b>STOMACH</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	1	0	1	0	0
SMR	0.00	0.00	0.00	8.50	0.00	7.99	0.00	0.00

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY OBS	0	0	0	0	0	2	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	5.88	0.00	0.00
	CNTRL OBS	1	1	0	0	2	1	0	0
	SMR	2.25	1.51	0.00	0.00	2.91	1.25	0.00	0.00
LIVER (PRIMARY)	STUDY OBS	0	0	0	1	0	0	0	0
	SMR	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00
	CNTRL OBS	0	3	0	1	1	0	1	1
	SMR	0.00	7.00	0.00	1.20	1.11	0.00	1.02	2.89
TRACHEA, BRONCHUS, LUNG	STUDY OBS	0	0	0	1	1	0	0	0
	SMR	0.00	0.00	0.00	5.05	4.06	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	1	0	0	0	0	0	0	0
	SMR	18.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	1	0	0	0	0
	SMR	0.00	0.00	0.00	7.54	0.00	0.00	0.00	0.00
BONES & JOINTS	STUDY OBS	0	2	0	4	2	3	2	2
	SMR	0.00	0.81	0.00	1.02	0.45	0.79	0.66	1.94
	CNTRL OBS	5	7	5	12	13	10	4	2
	SMR	1.95	1.27	0.72	1.32	1.21	1.02	0.50	0.74
BLADDER	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	1	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	25.48	0.00	0.00
BRAIN & OTHER C.N.S.	STUDY OBS	1	5	9	6	5	6	5	1
	SMR	0.75	1.63	2.14	1.22	0.91	1.16	1.18	0.69
	CNTRL OBS	2	14	17	7	16	12	8	2
	SMR	0.60	1.89	1.71	0.58	1.13	0.86	0.70	0.51
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	1	1	0	0
	SMR	0.00	0.00	0.00	0.00	0.75	0.57	0.00	0.00
	CNTRL OBS	0	0	0	0	1	1	1	0
	SMR	0.00	0.00	0.00	0.00	0.29	0.22	0.59	0.00



Zion 1,2 (1972)  
Kenosha, WI ; Lake, IL

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP											
		1950-52			1953-57		1958-62		1963-67		1968-72		1973-77		1978-82		1983-84	
LEUKEMIA & ALEUKEMIA	STUDY																	
	OBS	3		14		13		11		8			24		10		5	
	SMR	0.53		1.29		1.08		0.86		0.59			1.61		0.59		0.69	
CNTRL	OBS	18		30		20		29		32			40		45		23	
	SMR	1.30		1.13		0.67		0.88		0.88			0.96		0.92		1.09	
ALL CANCER, EXCL LEUK	STUDY																	
	OBS	50		81		87		105		102			117		117		39	
	SMR	0.98		0.84		0.81		0.94		0.91			1.00		0.90		0.69	
CNTRL	OBS	114		247		249		288		289			334		312		161	
	SMR	0.90		1.03		0.91		0.97		0.94			1.01		0.83		0.97	
HODGKIN'S DISEASE	STUDY																	
	OBS	2		8		6		17		9			8		8		1	
	SMR	0.45		0.93		0.59		1.53		0.83			0.87		0.99		0.32	
CNTRL	OBS	11		30		24		33		40			25		22		7	
	SMR	1.02		1.43		0.95		1.13		1.36			0.95		0.94		0.75	
OTHER LYMPHOMA	STUDY																	
	OBS	5		6		10		4		10			3		9		1	
	SMR	1.85		1.17		1.64		0.60		1.45			0.40		1.02		0.25	
CNTRL	OBS	6		15		21		19		18			19		22		14	
	SMR	0.92		1.20		1.38		1.09		0.96			0.90		0.86		1.21	
MULTIPLE MYELOMA	STUDY																	
	OBS	0		3		1		0		2			1		0		0	
	SMR	0.00		6.99		2.08		0.00		4.48			2.07		0.00		0.00	
CNTRL	OBS	0		2		4		1		3			1		5		1	
	SMR	0.00		1.87		3.32		0.79		2.46			0.74		3.01		1.33	
DIGESTIVE ORGANS	STUDY																	
	OBS	4		11		17		14		13			19		7		7	
	SMR	0.41		0.62		0.93		0.80		0.78			1.11		0.37		0.84	
CNTRL	OBS	30		35		39		48		47			46		46		30	
	SMR	1.23		0.79		0.85		1.04		1.02			0.95		0.85		1.26	
STOMACH	STUDY																	
	OBS	1		3		1		2		4			6		1		3	
	SMR	0.45		0.77		0.26		0.60		1.37			2.11		0.33		2.18	
CNTRL	OBS	5		8		5		10		6			7		6		7	
	SMR	0.90		0.82		0.52		1.16		0.75			0.88		0.68		1.79	

Age at death: 20 to 39

Zion 1,2 (1972)  
Kenosha, WI ; Lake, IL

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	3	3	11	8	5		2	3
SMR	0.61	0.34	1.23	0.94	0.61		0.22	0.76
CNTRL OBS	17	19	23	17	20		27	16
SMR	1.38	0.85	1.01	0.74	0.88		1.03	1.41
<b>LIVER (PRIMARY)</b>								
STUDY OBS	0	0	1	1	2		0	0
SMR	0.00	0.00	0.56	0.58	1.26		0.00	0.00
CNTRL OBS	3	4	5	7	6		2	2
SMR	1.22	0.91	1.13	1.58	1.44		0.35	0.75
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	2	3	6	7	12		19	5
SMR	0.72	0.49	0.72	0.72	1.12		1.54	0.93
CNTRL OBS	3	17	15	24	30		28	17
SMR	0.43	1.11	0.71	0.92	0.99		0.78	1.09
<b>BREAST (FEMALE)</b>								
STUDY OBS	11	12	17	16	21		13	5
SMR	1.65	0.93	1.15	1.06	1.37		0.64	0.53
CNTRL OBS	15	41	39	48	36		50	29
SMR	0.87	1.22	1.00	1.16	0.83		0.83	1.05
<b>THYROID</b>								
STUDY OBS	0	0	0	0	0		0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00
CNTRL OBS	2	1	2	2	0		4	0
SMR	4.64	1.19	2.14	2.01	0.00		4.28	0.00
<b>BONES &amp; JOINTS</b>								
STUDY OBS	2	3	0	2	3		2	1
SMR	1.86	1.56	0.00	1.01	1.38		0.76	0.95
CNTRL OBS	2	4	7	2	8		7	1
SMR	0.79	0.89	1.54	0.42	1.48		0.94	0.33
<b>BLADDER</b>								
STUDY OBS	0	1	1	0	1		0	0
SMR	0.00	2.20	2.28	0.00	2.61		0.00	0.00
CNTRL OBS	0	0	0	0	0		2	0
SMR	0.00	0.00	0.00	0.00	0.00		1.68	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	6	4	6	10	3		12	5
SMR	1.34	0.47	0.61	1.04	0.29		0.96	0.92
CNTRL OBS	13	28	26	25	27		27	14
SMR	1.18	1.31	1.05	0.97	0.94		0.74	0.87
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	0		3	1
SMR	0.00	0.00	0.00	0.00	0.00		1.39	2.14
CNTRL OBS	0	0	0	0	8		7	1
SMR	0.00	0.00	0.00	0.00	1.10		1.14	0.74

Age at death: 40 to 59

Zion 1,2 (1972)  
Kenosha, WI ; Lake, IL

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	13	22	25	27	23	30	32	10
SMR	1.06	0.96	0.98	0.95	0.77	0.97	1.00	0.79
CNTRL OBS	32	66	68	69	91	95	90	39
SMR	0.94	1.05	0.97	0.88	1.09	1.09	0.98	1.05
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	324	538	681	766	894	916	963	422
SMR	1.02	0.90	1.00	0.96	0.97	0.92	0.93	1.05
CNTRL OBS	843	1422	1793	2033	2375	2488	2685	1058
SMR	0.95	0.87	0.96	0.93	0.94	0.90	0.92	0.91
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	2	9	14	11	8	6	6	3
SMR	0.42	0.98	1.33	0.93	0.69	0.69	0.94	1.32
CNTRL OBS	11	9	36	32	34	23	18	4
SMR	0.84	0.36	1.26	0.99	1.05	0.93	0.98	0.60
<b>OTHER LYMPHOMA</b>								
STUDY OBS	8	16	31	28	44	49	28	15
SMR	0.94	0.94	1.44	1.05	1.45	1.58	0.86	1.15
CNTRL OBS	30	38	51	85	94	89	84	30
SMR	1.27	0.80	0.86	1.15	1.12	1.02	0.89	0.78
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	3	7	8	13	12	7	14	5
SMR	1.02	1.13	1.02	1.49	1.18	0.58	1.09	1.00
CNTRL OBS	10	18	21	23	42	32	32	14
SMR	1.24	1.06	0.99	0.98	1.54	0.98	0.89	0.98
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	116	161	197	216	181	183	201	91
SMR	1.14	0.90	1.05	1.06	0.84	0.83	0.92	1.08
CNTRL OBS	256	459	503	515	537	584	597	214
SMR	0.92	0.94	0.98	0.93	0.91	0.96	0.97	0.89
<b>STOMACH</b>								
STUDY OBS	32	29	55	46	23	23	31	8
SMR	1.28	0.72	1.52	1.35	0.71	0.76	1.08	0.73
CNTRL OBS	69	103	91	82	83	75	84	24
SMR	1.02	0.95	0.93	0.90	0.95	0.91	1.05	0.78

Age at death: 40 to 59

Zion 1,2 (1972)  
Kenosha, WI ; Lake, IL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY OBS	52	75	78	92	98	69	84	36
	SMR	1.24	0.99	0.96	1.03	1.02	0.69	0.86	0.98
	CNTRL OBS	112	213	270	242	239	269	256	101
	SMR	0.95	1.01	1.21	0.98	0.90	0.97	0.91	0.94
LIVER (PRIMARY)	STUDY OBS	8	23	15	21	8	12	7	9
	SMR	0.64	1.10	0.73	1.08	0.54	1.00	0.56	1.81
	CNTRL OBS	24	56	40	51	35	33	40	10
	SMR	0.69	0.98	0.71	0.97	0.88	1.03	1.17	0.72
TRACHEA, BRONCHUS, LUNG	STUDY OBS	44	70	110	147	227	266	277	125
	SMR	0.97	0.74	0.87	0.85	0.98	0.93	0.86	0.98
	CNTRL OBS	96	170	277	417	500	613	773	315
	SMR	0.79	0.66	0.80	0.88	0.79	0.78	0.85	0.85
BREAST (FEMALE)	STUDY OBS	57	80	89	121	137	137	127	63
	SMR	1.41	1.00	0.93	1.06	1.05	1.01	0.93	1.21
	CNTRL OBS	139	227	290	327	393	399	430	168
	SMR	1.17	1.01	1.10	1.03	1.08	1.03	1.09	1.08
THYROID	STUDY OBS	1	6	1	3	3	0	3	1
	SMR	0.73	2.49	0.42	1.27	1.30	0.00	1.43	1.30
	CNTRL OBS	5	5	5	6	5	4	4	1
	SMR	1.30	0.75	0.76	0.93	0.79	0.63	0.66	0.44
BONES & JOINTS	STUDY OBS	2	7	1	3	8	4	5	0
	SMR	0.75	1.56	0.24	0.76	2.02	1.09	1.84	0.00
	CNTRL OBS	2	7	11	4	12	2	10	4
	SMR	0.27	0.57	0.97	0.37	1.11	0.20	1.30	1.61
BLADDER	STUDY OBS	5	13	6	11	13	9	11	4
	SMR	0.78	1.20	0.57	0.99	1.11	0.77	1.01	1.00
	CNTRL OBS	19	34	32	29	30	30	23	12
	SMR	1.09	1.16	1.11	0.96	0.94	0.93	0.74	1.03
BRAIN & OTHER C.N.S.	STUDY OBS	10	30	24	34	35	30	35	18
	SMR	0.86	1.33	0.89	1.13	0.98	0.79	0.95	1.26
	CNTRL OBS	27	67	79	106	100	98	102	39
	SMR	0.83	1.07	1.06	1.27	1.00	0.91	0.95	0.92
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	12	10	4	0
	SMR	0.00	0.00	0.00	0.00	1.32	0.79	0.64	0.00
	CNTRL OBS	0	0	0	0	22	23	11	1
	SMR	0.00	0.00	0.00	0.00	0.89	0.65	0.63	0.30

Table 2-C.12

Age at death: 60 plus	Zion 1,2 (1972) Kenosha, WI ; Lake, IL							
	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA								
STUDY OBS	19	47	59	64	79	88	103	46
SHR	0.95	1.08	1.03	0.92	1.00	1.01	1.02	1.04
CNTRL OBS	56	141	157	208	245	263	303	156
SHR	0.88	1.06	0.92	1.01	1.05	1.00	0.98	1.13
ALL CANCER, EXCL LEUK								
STUDY OBS	700	1335	1531	1709	2023	2407	2860	1330
SHR	1.15	1.10	1.04	1.00	1.03	1.06	1.06	1.11
CNTRL OBS	2000	4108	4466	4942	5811	7039	8416	3758
SHR	1.03	1.10	1.03	0.98	1.01	1.04	1.03	1.03
HODGKIN'S DISEASE								
STUDY OBS	5	10	9	14	9	7	11	3
SHR	1.23	1.22	0.92	1.28	0.79	0.70	1.30	0.89
CNTRL OBS	13	23	18	22	35	35	15	5
SHR	1.03	0.93	0.63	0.69	1.04	1.18	0.58	0.48
OTHER LYMPHOMA								
STUDY OBS	13	30	37	36	58	66	102	42
SHR	1.20	1.22	1.06	0.79	1.04	0.99	1.20	1.07
CNTRL OBS	42	86	109	133	142	244	283	122
SHR	1.24	1.15	1.07	0.99	0.86	1.21	1.08	1.00
MULTIPLE MYELOMA								
STUDY OBS	4	6	10	17	27	44	46	12
SHR	0.93	0.54	0.60	0.77	0.93	1.18	0.99	0.57
CNTRL OBS	13	30	52	58	87	105	141	56
SHR	0.99	0.92	1.08	0.90	1.03	0.96	1.01	0.88
DIGESTIVE ORGANS								
STUDY OBS	327	574	639	648	689	789	831	389
SHR	1.20	1.10	1.08	1.01	1.02	1.09	1.04	1.12
CNTRL OBS	939	1893	1911	1948	2094	2383	2648	1070
SHR	1.07	1.17	1.08	1.03	1.05	1.09	1.08	1.00
STOMACH								
STUDY OBS	102	156	156	147	112	107	106	49
SHR	1.31	1.14	1.17	1.20	1.01	1.04	1.05	1.17
CNTRL OBS	294	529	443	390	345	358	342	144
SHR	1.18	1.26	1.12	1.09	1.07	1.17	1.12	1.12

Age at death: 60 plus

Zion 1,2 (1972)  
Kenosha, WI ; Lake, IL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY OBS	131	248	279	295	335	385	403	202
	SMR	1.19	1.14	1.08	1.00	1.02	1.06	1.01	1.17
	CNTRL OBS	383	818	874	956	1057	1198	1324	526
	SMR	1.07	1.20	1.12	1.09	1.08	1.09	1.07	0.98
LIVER (PRIMARY)	STUDY OBS	34	57	70	65	37	46	33	20
	SMR	1.02	0.91	1.02	1.02	0.83	1.34	0.86	1.17
	CNTRL OBS	103	212	204	223	104	110	110	56
	SMR	0.96	1.09	0.99	1.18	0.80	1.08	0.95	1.08
TRACHEA, BRONCHUS, LUNG	STUDY OBS	55	168	237	301	393	529	689	370
	SMR	0.92	1.18	1.11	1.01	0.98	1.00	1.00	1.17
	CNTRL OBS	125	358	488	735	995	1359	1818	906
	SMR	0.69	0.87	0.81	0.87	0.86	0.89	0.88	0.95
BREAST (FEMALE)	STUDY OBS	71	108	105	136	175	189	258	102
	SMR	1.63	1.23	1.00	1.09	1.19	1.09	1.24	1.11
	CNTRL OBS	182	382	394	440	527	645	738	336
	SMR	1.24	1.34	1.19	1.14	1.17	1.21	1.14	1.16
THYROID	STUDY OBS	2	5	5	8	5	17	11	1
	SMR	0.72	0.90	0.79	1.23	0.74	2.43	1.56	0.34
	CNTRL OBS	11	21	25	15	19	26	16	5
	SMR	1.21	1.20	1.30	0.76	0.93	1.22	0.73	0.54
BONES & JOINTS	STUDY OBS	8	14	9	7	7	6	5	4
	SMR	1.61	1.61	1.08	0.85	0.82	0.74	0.84	2.05
	CNTRL OBS	18	27	25	28	23	24	17	6
	SMR	1.14	1.01	1.01	1.16	0.91	0.99	0.93	0.99
BLADDER	STUDY OBS	31	59	64	75	78	93	79	41
	SMR	1.30	1.25	1.15	1.20	1.12	1.23	0.99	1.21
	CNTRL OBS	107	167	204	225	222	275	268	101
	SMR	1.39	1.15	1.24	1.23	1.09	1.22	1.09	0.96
BRAIN & OTHER C.N.S.	STUDY OBS	5	12	17	21	35	38	61	21
	SMR	0.96	1.04	1.05	1.01	1.13	0.88	1.14	0.89
	CNTRL OBS	19	33	34	53	92	141	177	94
	SMR	1.22	0.99	0.74	0.88	1.02	1.10	1.10	1.31
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	15	23	21	7
	SMR	0.00	0.00	0.00	0.00	1.03	0.93	1.32	1.74
	CNTRL OBS	0	0	0	0	37	89	34	15
	SMR	0.00	0.00	0.00	0.00	0.86	1.21	0.70	1.21



Table 2-C.12

Age at death: all

Zion 1,2 (1972)  
Kenosha, WI ; Lake, IL

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	51	113	135	130	134	158	160	61
SHR	1.06	1.13	1.09	0.92	0.89	1.02	0.96	0.87
CNTRL OBS	127	305	330	405	464	458	487	246
SHR	0.92	1.08	0.95	1.02	1.08	1.01	0.98	1.15
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	1085	1985	2337	2620	3051	3477	3968	1802
SHR	1.10	1.02	1.02	0.98	1.00	1.02	1.02	1.08
CNTRL OBS	2990	5854	6607	7360	8605	9958	11470	5002
SHR	1.00	1.03	1.00	0.97	0.99	1.00	0.99	0.99
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	10	27	29	47	26	21	25	7
SHR	0.71	0.97	0.89	1.29	0.72	0.71	1.04	0.76
CNTRL OBS	37	62	88	95	111	88	57	16
SHR	0.96	0.83	1.01	0.95	1.10	1.04	0.81	0.58
<b>OTHER LYMPHOMA</b>								
STUDY OBS	28	55	84	73	117	129	141	59
SHR	1.18	1.07	1.24	0.86	1.18	1.18	1.08	1.03
CNTRL OBS	83	146	197	245	278	361	398	167
SHR	1.21	1.01	1.04	1.02	0.98	1.12	1.02	0.95
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	7	16	19	30	41	52	60	17
SHR	0.94	0.90	0.76	0.96	1.03	1.05	1.00	0.65
CNTRL OBS	23	50	77	82	132	139	178	71
SHR	1.05	0.98	1.09	0.92	1.17	0.97	1.00	0.90
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	447	747	854	879	887	995	1039	487
SHR	1.17	1.04	1.07	1.02	0.97	1.03	1.00	1.11
CNTRL OBS	1227	2394	2456	2514	2685	3016	3292	1316
SHR	1.04	1.11	1.06	1.00	1.02	1.06	1.05	0.98
<b>STOMACH</b>								
STUDY OBS	135	189	212	195	139	136	138	60
SHR	1.28	1.04	1.22	1.22	0.95	1.00	1.04	1.11
CNTRL OBS	368	640	539	483	434	441	432	175
SHR	1.14	1.19	1.07	1.05	1.04	1.12	1.10	1.07

Age at death: all

Zion 1,2 (1972)  
Kenosha, WI ; Lake, IL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM									
STUDY	OBS	186	326	368	395	438		489	241
	SMR	1.18	1.08	1.05	1.01	1.01		0.96	1.13
CNTRL	OBS	513	1051	1168	1215	1318		1607	643
	SMR	1.05	1.15	1.14	1.06	1.04		1.04	0.98
LIVER (PRIMARY)									
STUDY	OBS	42	80	87	88	49		40	29
	SMR	0.89	0.93	0.95	1.02	0.79		0.74	1.24
CNTRL	OBS	131	277	249	283	147		153	70
	SMR	0.90	1.07	0.93	1.14	0.83		0.97	1.01
TRACHEA, BRONCHUS, LUNG									
STUDY	OBS	101	241	353	456	633		985	501
	SMR	0.93	0.99	1.01	0.95	0.98		0.96	1.12
CNTRL	OBS	224	545	780	1177	1526		2619	1238
	SMR	0.72	0.80	0.81	0.88	0.84		0.87	0.93
BREAST (FEMALE)									
STUDY	OBS	139	200	211	273	333		398	170
	SMR	1.53	1.11	0.98	1.08	1.14		1.09	1.10
CNTRL	OBS	337	651	723	815	956		1218	533
	SMR	1.19	1.20	1.14	1.10	1.12		1.10	1.13
THYROID									
STUDY	OBS	3	11	6	11	8		14	2
	SMR	0.69	1.31	0.66	1.18	0.84		1.47	0.52
CNTRL	OBS	18	27	32	24	24		24	6
	SMR	1.34	1.07	1.19	0.88	0.86		0.83	0.50
BONES & JOINTS									
STUDY	OBS	12	27	11	17	20		14	7
	SMR	1.19	1.48	0.60	0.91	1.01		0.95	1.39
CNTRL	OBS	29	45	49	48	60		40	13
	SMR	1.00	0.89	0.99	0.94	1.11		0.94	0.88
BLADDER									
STUDY	OBS	36	73	71	86	92		90	45
	SMR	1.17	1.24	1.07	1.16	1.13		0.99	1.19
CNTRL	OBS	126	202	236	254	252		293	113
	SMR	1.32	1.14	1.21	1.18	1.06		1.05	0.96
BRAIN & OTHER C.N.S.									
STUDY	OBS	26	64	65	78	84		119	46
	SMR	1.01	1.22	0.99	1.06	0.94		1.07	0.99
CNTRL	OBS	69	161	182	225	252		324	154
	SMR	0.98	1.12	1.02	1.11	1.00		0.99	1.11
BENIGN & UNSPEC NEOPLASMS									
STUDY	OBS	0	0	0	0	28		29	8
	SMR	0.00	0.00	0.00	0.00	0.96		1.12	1.34
CNTRL	OBS	0	0	0	0	73		56	17
	SMR	0.00	0.00	0.00	0.00	0.88		0.73	0.95

Age at death: under 10

Browns Ferry 1,2,3 (1973)  
Lawrence, AL ; Limestone, AL

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP		
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78
<b>LEUKEMIA &amp; ALEUKEMIA</b>						
STUDY OBS	1	7	2	1	3	0
SMR	0.38	2.28	0.70	0.39	1.41	0.00
CNTRL OBS	3	7	4	3	6	2
SMR	0.48	0.95	0.58	0.51	1.28	0.79
<b>ALL CANCER, EXCL LEUK</b>						
STUDY OBS	2	0	3	4	2	1
SMR	0.67	0.00	0.96	1.43	0.84	0.61
CNTRL OBS	5	4	6	8	9	2
SMR	0.72	0.49	0.81	1.27	1.72	0.50
<b>HODGKIN'S DISEASE</b>						
STUDY OBS	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00
<b>OTHER LYMPHOMA</b>						
STUDY OBS	0	0	2	0	0	0
SMR	0.00	0.00	4.59	0.00	0.00	0.00
CNTRL OBS	0	0	1	1	1	0
SMR	0.00	0.00	0.96	1.24	1.63	0.00
<b>MULTIPLE MYELOMA</b>						
STUDY OBS	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00
<b>DIGESTIVE ORGANS</b>						
STUDY OBS	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	1	0
SMR	0.00	0.00	0.00	0.00	4.06	0.00
<b>STOMACH</b>						
STUDY OBS	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00

1984-84





		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM	STUDY OBS	0	0	1	0	0	1	1	0
	SMR	0.00	0.00	15.51	0.00	0.00	19.75	28.46	0.00
	CNTRL OBS	0	1	1	0	1	0	0	0
LIVER (PRIMARY)	SMR	0.00	6.01	6.73	0.00	8.48	0.00	0.00	0.00
	STUDY OBS	0	0	1	0	0	0	0	0
	SMR	0.00	0.00	20.40	0.00	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
BREAST (FEMALE)	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
BONES & JOINTS	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	2	2	0	0	0	0	0
	SMR	0.00	3.69	3.85	0.00	0.00	0.00	0.00	0.00
BLADDER	CNTRL OBS	3	1	2	3	2	2	1	0
	SMR	2.94	0.76	1.57	2.33	1.61	1.88	1.13	0.00
BRAIN & OTHER C.N.S.	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
BENIGN & UNSPEC NEOPLASMS	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	1	1	0	1	0	1	1	0
	SMR	1.84	1.43	0.00	1.49	0.00	1.55	1.84	0.00
	CNTRL OBS	2	3	0	2	2	1	1	0
	SMR	1.52	1.74	0.00	1.23	1.20	0.65	0.79	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	1	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	1.99	0.00	0.00



Age at death: 20 to 39

Browns Ferry 1,2,3 (1973)  
Lawrence, AL ; Limestone, AL

		YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
		1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
LEUKEMIA & ALEUKEMIA	STUDY OBS	2	1	1	1	2			0
	SMR	1.34	0.56	0.61	0.58	1.09	1.04	0.49	0.00
	CNTRL OBS	6	7	7	6	1	5	6	2
	SMR	1.43	1.42	1.60	1.41	0.23	1.05	1.14	1.83
ALL CANCER, EXCL LEUK	STUDY OBS	14	21	22	19	15	17	15	4
	SMR	0.97	1.28	1.44	1.23	0.98	1.13	0.95	1.19
	CNTRL OBS	38	45	44	53	50	35	45	18
	SMR	0.93	0.97	1.05	1.35	1.35	0.93	1.11	2.09
HODGKIN'S DISEASE	STUDY OBS	1	0	0	0	2	1	1	0
	SMR	0.89	0.00	0.00	0.00	1.44	0.92	1.09	0.00
	CNTRL OBS	2	3	1	6	4	1	2	0
	SMR	0.63	0.80	0.28	1.67	1.22	0.37	0.86	0.00
OTHER LYMPHOMA	STUDY OBS	0	1	1	2	1	1	0	0
	SMR	0.00	1.22	1.21	2.23	1.08	1.05	0.00	0.00
	CNTRL OBS	0	3	2	2	6	0	1	1
	SMR	0.00	1.31	0.89	0.90	2.73	0.00	0.36	1.69
MULTIPLE MYELOMA	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS	STUDY OBS	1	3	4	1	2	3	1	1
	SMR	0.36	0.99	1.54	0.40	0.85	1.31	0.42	2.01
	CNTRL OBS	7	8	11	7	9	10	8	4
	SMR	0.87	0.93	1.53	1.11	1.57	1.76	1.31	3.08
STOMACH	STUDY OBS	0	0	3	1	0	0	0	0
	SMR	0.00	0.00	5.26	2.09	0.00	0.00	0.00	0.00
	CNTRL OBS	2	1	3	0	2	1	1	0
	SMR	1.04	0.51	1.91	0.00	1.92	1.03	0.97	0.00

Age at death: 20 to 39

Browns Ferry 1,2,3 (1973)  
Lawrence, AL ; Limestone, AL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM	STUDY OBS	1	0	1	0	1	2	1	0
	SMR	0.75	0.00	0.82	0.00	0.89	1.80	0.90	0.00
	CNTRL OBS	4	5	4	5	7	7	5	1
	SMR	1.05	1.22	1.19	1.67	2.56	2.53	1.75	1.66
LIVER (PRIMARY)	STUDY OBS	0	1	0	0	1	0	0	1
	SMR	0.00	3.00	0.00	0.00	4.28	0.00	0.00	16.75
	CNTRL OBS	0	1	1	0	0	1	0	0
	SMR	0.00	1.08	1.33	0.00	0.00	1.73	0.00	0.00
TRACHEA, BRONCHUS, LUNG	STUDY OBS	3	0	4	2	0	2	4	0
	SMR	3.92	0.00	3.45	1.44	0.00	1.33	2.67	0.00
	CNTRL OBS	4	6	3	4	8	1	5	2
	SMR	1.82	2.03	0.92	1.12	2.18	0.27	1.31	2.46
BREAST (FEMALE)	STUDY OBS	1	3	1	2	2	1	4	2
	SMR	0.53	1.34	0.46	0.94	0.93	0.45	1.55	3.55
	CNTRL OBS	3	5	6	7	7	2	10	3
	SMR	0.55	0.78	0.99	1.25	1.29	0.35	1.49	2.07
THYROID	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	1	0	0	0	0	0	0	0
	SMR	7.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS	STUDY OBS	0	2	1	1	0	1	0	1
	SMR	0.00	6.26	3.74	3.80	0.00	3.25	0.00	15.76
	CNTRL OBS	1	0	0	0	0	0	0	0
	SMR	1.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BLADDER	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	1	0	0	0	0	0	0
	SMR	0.00	4.08	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.	STUDY OBS	1	1	4	2	1	3	1	0
	SMR	0.90	0.76	3.14	1.62	0.70	2.11	0.68	0.00
	CNTRL OBS	6	2	3	5	5	7	5	2
	SMR	1.90	0.54	0.86	1.61	1.47	2.00	1.33	2.56
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	0	3	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	6.10	0.00	0.00
	CNTRL OBS	0	0	0	0	2	2	0	0
	SMR	0.00	0.00	0.00	0.00	1.62	1.64	0.00	0.00

Age at death: 40 to 59

Browns Ferry 1,2,3 (1973)  
Lawrence, AL ; Limestone, AL

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	4	4	5	7	4		8	0
SMR	1.47	1.09	1.31	1.77	1.01	0.74	1.88	0.00
CNTRL OBS	6	6	14	15	13	14	13	4
SMR	0.69	0.52	1.18	1.26	1.12	1.20	1.11	1.73
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	76	72	74	109	118	119	145	31
SMR	0.97	0.69	0.67	0.90	0.91	0.88	1.04	1.07
CNTRL OBS	196	276	320	360	381	378	400	90
SMR	0.79	0.84	0.93	0.99	0.99	0.96	1.02	1.17
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	1	0	0	3	2	1	0
SMR	0.00	0.70	0.00	0.00	2.10	1.96	1.28	0.00
CNTRL OBS	0	4	4	5	6	2	3	1
SMR	0.00	0.89	0.85	1.05	1.45	0.69	1.41	2.49
<b>OTHER LYMPHOMA</b>								
STUDY OBS	1	0	1	1	3	4	4	0
SMR	0.55	0.00	0.32	0.27	0.76	1.02	0.94	0.00
CNTRL OBS	5	5	6	12	17	7	13	4
SMR	0.85	0.58	0.60	1.08	1.47	0.62	1.10	1.71
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	1	1	1	0	3	2	0
SMR	0.00	0.83	0.70	0.70	0.00	1.71	1.09	0.00
CNTRL OBS	0	2	4	3	7	9	6	1
SMR	0.00	0.53	0.92	0.70	1.48	1.76	1.16	0.99
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	19	17	22	26	22	19	23	7
SMR	0.75	0.54	0.71	0.83	0.71	0.63	0.77	1.13
CNTRL OBS	55	68	83	81	79	69	93	13
SMR	0.69	0.69	0.86	0.86	0.86	0.78	1.11	0.80
<b>STOMACH</b>								
STUDY OBS	5	4	9	5	1	4	2	0
SMR	0.73	0.53	1.42	0.92	0.21	0.95	0.51	0.00
CNTRL OBS	16	10	26	21	11	9	16	3
SMR	0.76	0.43	1.34	1.28	0.77	0.73	1.45	1.41

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM									
STUDY	OBS	7	5	4	7	5	9	10	5
SMR		0.73	0.41	0.32	0.55	0.38	0.68	0.77	1.89
CNTRL	OBS	14	19	22	29	31	27	45	6
SMR		0.45	0.49	0.56	0.74	0.79	0.70	1.24	0.86
LIVER (PRIMARY)									
STUDY	OBS	4	4	2	4	2	2	3	1
SMR		1.24	1.07	0.57	1.33	0.98	1.17	1.67	2.65
CNTRL	OBS	11	12	6	10	7	4	2	0
SMR		1.09	1.03	0.55	1.10	1.16	0.80	0.40	0.00
TRACHEA, BRONCHUS, LUNG									
STUDY	OBS	4	5	7	25	35	43	45	10
SMR		0.41	0.32	0.35	0.96	1.05	1.10	1.04	1.10
CNTRL	OBS	11	37	57	84	92	125	134	34
SMR		0.35	0.75	0.92	1.06	0.93	1.10	1.11	1.42
BREAST (FEMALE)									
STUDY	OBS	15	9	8	19	13	9	19	5
SMR		1.51	0.66	0.53	1.14	0.73	0.49	1.01	1.29
CNTRL	OBS	28	37	39	44	45	42	42	7
SMR		0.88	0.85	0.82	0.86	0.85	0.78	0.80	0.68
THYROID									
STUDY	OBS	0	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	1	1	1	1	2	0	0	0
SMR		0.95	0.78	0.85	0.94	2.15	0.00	0.00	0.00
BONES & JOINTS									
STUDY	OBS	1	1	0	0	0	1	0	0
SMR		1.54	1.34	0.00	0.00	0.00	2.08	0.00	0.00
CNTRL	OBS	3	4	2	3	2	3	0	1
SMR		1.47	1.71	1.01	1.76	1.24	2.16	0.00	6.29
BLADDER									
STUDY	OBS	2	2	0	0	3	0	1	0
SMR		1.26	1.06	0.00	0.00	1.81	0.00	0.71	0.00
CNTRL	OBS	1	2	3	7	5	3	3	4
SMR		0.20	0.34	0.54	1.34	1.01	0.66	0.77	5.40
BRAIN & OTHER C.N.S.									
STUDY	OBS	6	5	2	4	5	7	7	0
SMR		2.55	1.49	0.52	1.02	1.06	1.48	1.49	0.00
CNTRL	OBS	11	16	9	21	24	16	12	3
SMR		1.44	1.48	0.75	1.76	1.73	1.17	0.93	1.18
BENIGN & UNSPEC NEOPLASMS									
STUDY	OBS	0	0	0	0	2	6	0	0
SMR		0.00	0.00	0.00	0.00	1.18	3.72	0.00	0.00
CNTRL	OBS	0	0	0	0	11	3	2	0
SMR		0.00	0.00	0.00	0.00	2.22	0.65	1.11	0.00

Age at death: 60 plus

 Browns Ferry 1,2,3 (1973)  
 Lawrence, AL ; Limestone, AL

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	2	1	9	12	17	13	20	6
SMR	0.42	0.13	0.97	1.06	1.31	0.88	1.16	1.61
CNTRL OBS	14	21	31	34	39	59	45	8
SMR	0.83	0.79	0.95	0.89	0.93	1.23	0.81	0.68
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	112	175	173	217	253	337	478	74
SMR	0.71	0.79	0.68	0.73	0.73	0.82	0.98	0.71
CNTRL OBS	429	585	689	739	938	1135	1306	312
SMR	0.77	0.75	0.79	0.75	0.84	0.86	0.84	0.95
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	6	1	0	3	2	1	1
SMR	0.00	4.41	0.66	0.00	1.66	1.30	0.73	3.59
CNTRL OBS	4	4	5	8	5	7	4	0
SMR	1.19	0.84	0.95	1.39	0.85	1.41	0.92	0.00
<b>OTHER LYMPHOMA</b>								
STUDY OBS	0	1	4	2	2	8	11	2
SMR	0.00	0.24	0.72	0.27	0.22	0.71	0.75	0.62
CNTRL OBS	4	10	18	26	30	35	46	15
SMR	0.45	0.67	0.93	1.05	1.00	0.96	0.98	1.48
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	1	0	1	3	5	6	4	0
SMR	0.91	0.00	0.33	0.71	0.87	0.81	0.44	0.00
CNTRL OBS	6	7	9	13	12	20	24	3
SMR	1.58	0.94	0.88	0.96	0.67	0.86	0.83	0.48
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	55	77	67	69	73	96	118	18
SMR	0.78	0.81	0.66	0.62	0.62	0.74	0.82	0.59
CNTRL OBS	151	240	252	246	336	330	364	90
SMR	0.61	0.72	0.72	0.67	0.89	0.79	0.79	0.94
<b>STOMACH</b>								
STUDY OBS	24	31	22	16	11	10	11	3
SMR	1.11	1.19	0.91	0.72	0.54	0.52	0.58	0.76
CNTRL OBS	43	62	58	47	61	49	41	12
SMR	0.57	0.69	0.71	0.65	0.96	0.80	0.68	0.97

Age at death: 60 plus

Browns Ferry 1,2,3 (1973)  
Lawrence, AL ; Limestone, AL

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP			
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84	
<b>COLON &amp; RECTUM</b>									
STUDY OBS	16	32	27	25	30		55	9	
SMR	0.59	0.85	0.63	0.51	0.54	42	0.79	0.61	
CNTRL OBS	52	86	85	95	154	153	176	41	
SMR	0.54	0.64	0.57	0.58	0.86	0.75	0.79	0.88	
<b>LIVER (PRIMARY)</b>									
STUDY OBS	8	6	7	12	4	10	13	1	
SMR	0.94	0.54	0.61	1.14	0.56	1.55	1.76	0.63	
CNTRL OBS	22	42	42	35	19	22	14	8	
SMR	0.73	1.08	1.05	1.01	0.85	1.08	0.60	1.63	
<b>TRACHEA, BRONCHUS, LUNG</b>									
STUDY OBS	4	7	13	25	55	80	138	21	
SMR	0.28	0.28	0.36	0.49	0.77	0.84	1.09	0.77	
CNTRL OBS	29	60	94	132	157	269	343	87	
SMR	0.59	0.70	0.78	0.80	0.70	0.89	0.87	1.03	
<b>BREAST (FEMALE)</b>									
STUDY OBS	5	9	11	17	16	20	27	9	
SMR	0.46	0.59	0.63	0.81	0.63	0.66	0.74	1.16	
CNTRL OBS	26	32	51	48	65	77	95	19	
SMR	0.67	0.58	0.82	0.68	0.79	0.79	0.83	0.78	
<b>THYROID</b>									
STUDY OBS	1	1	0	3	0	0	1	0	
SMR	1.43	1.01	0.00	2.76	0.00	0.00	0.83	0.00	
CNTRL OBS	2	11	5	3	3	5	1	0	
SMR	0.81	3.16	1.37	0.83	0.80	1.29	0.26	0.00	
<b>BONES &amp; JOINTS</b>									
STUDY OBS	0	3	1	4	1	1	2	0	
SMR	0.00	2.00	0.74	2.91	0.69	0.74	2.20	0.00	
CNTRL OBS	5	6	7	9	4	5	5	2	
SMR	1.12	1.14	1.51	1.98	0.86	1.15	1.73	3.84	
<b>BLADDER</b>									
STUDY OBS	2	11	4	10	8	8	15	1	
SMR	0.33	1.32	0.43	0.95	0.68	0.62	1.10	0.35	
CNTRL OBS	17	15	10	19	22	29	34	9	
SMR	0.79	0.51	0.31	0.55	0.58	0.69	0.77	0.98	
<b>BRAIN &amp; OTHER C.N.S.</b>									
STUDY OBS	2	1	1	2	4	7	8	0	
SMR	1.83	0.56	0.42	0.62	0.74	0.94	0.88	0.00	
CNTRL OBS	1	7	6	8	24	27	28	8	
SMR	0.26	1.13	0.74	0.75	1.39	1.14	0.98	1.33	
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>									
STUDY OBS	0	0	0	0	5	2	4	0	
SMR	0.00	0.00	0.00	0.00	1.45	0.46	1.72	0.00	
CNTRL OBS	0	0	0	0	9	12	4	1	
SMR	0.00	0.00	0.00	0.00	0.82	0.87	0.54	0.85	



Table 2-C.13

Age at death: all	Browns Ferry 1,2,3 (1973) Lawrence, AL ; Limestone, AL									
	YEARS BEFORE STARTUP					YEARS AFTER STARTUP				
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84		
LEUKEMIA & ALEUKEMIA										
STUDY OBS	10	15	19	21	26	20	29	6		
SMR	0.79	0.86	0.99	0.99	1.16	0.85	1.12	1.10		
CNTRL OBS	32	43	60	59	61	82	69	14		
SMR	0.83	0.79	1.01	0.93	0.92	1.16	0.89	0.86		
ALL CANCER, EXCL LEUK										
STUDY OBS	206	271	277	352	391	478	643	109		
SMR	0.81	0.78	0.72	0.80	0.78	0.84	0.99	0.79		
CNTRL OBS	678	918	1066	1170	1386	1557	1756	425		
SMR	0.79	0.79	0.84	0.84	0.90	0.89	0.88	1.03		
HODGKIN'S DISEASE										
STUDY OBS	1	7	1	0	9	5	3	1		
SMR	0.29	1.56	0.21	0.00	1.84	1.31	0.93	1.55		
CNTRL OBS	7	11	11	20	15	10	9	1		
SMR	0.66	0.79	0.76	1.34	1.08	0.91	0.98	0.56		
OTHER LYMPHOMA										
STUDY OBS	1	2	8	6	7	13	16	2		
SMR	0.17	0.23	0.77	0.47	0.48	0.78	0.78	0.45		
CNTRL OBS	12	18	27	42	55	42	60	20		
SMR	0.65	0.64	0.80	1.05	1.22	0.82	0.96	1.51		
MULTIPLE MYELOMA										
STUDY OBS	1	1	2	4	5	9	6	0		
SMR	0.52	0.29	0.44	0.70	0.68	0.98	0.54	0.00		
CNTRL OBS	6	9	13	16	19	29	30	4		
SMR	0.95	0.79	0.88	0.89	0.83	1.01	0.87	0.55		
DIGESTIVE ORGANS										
STUDY OBS	75	97	95	97	97	119	143	26		
SMR	0.76	0.75	0.70	0.67	0.64	0.73	0.81	0.70		
CNTRL OBS	213	317	347	334	426	409	465	107		
SMR	0.63	0.72	0.76	0.71	0.89	0.80	0.85	0.94		
STOMACH										
STUDY OBS	29	35	34	22	12	14	13	3		
SMR	0.99	1.02	1.09	0.78	0.47	0.59	0.56	0.62		
CNTRL OBS	61	73	87	68	74	59	58	15		
SMR	0.62	0.64	0.84	0.76	0.94	0.79	0.80	1.02		

Age at death: all

Browns Ferry 1,2,3 (1973)  
Lawrence, AL ; Limestone, AL

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM								
STUDY OBS	24	37	33	32	36		67	14
SMR	0.63	0.72	0.58	0.51	0.51	0.70	0.80	0.79
CNTRL OBS	70	111	112	129	193		226	48
SMR	0.53	0.62	0.58	0.63	0.87	0.76	0.86	0.88
LIVER (PRIMARY)								
STUDY OBS	12	11	10	16	7	12	16	3
SMR	0.98	0.72	0.65	1.15	0.74	1.41	1.67	1.47
CNTRL OBS	33	55	49	45	27	27	16	8
SMR	0.80	1.06	0.95	1.01	0.92	1.03	0.55	1.30
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	11	12	24	52	90	125	187	31
SMR	0.44	0.29	0.42	0.66	0.85	0.92	1.09	0.84
CNTRL OBS	45	103	155	220	257	395	482	123
SMR	0.54	0.75	0.84	0.89	0.79	0.94	0.93	1.13
BREAST (FEMALE)								
STUDY OBS	21	21	20	38	31	30	50	16
SMR	0.92	0.67	0.58	0.95	0.68	0.59	0.87	1.31
CNTRL OBS	57	74	96	99	117	121	147	29
SMR	0.75	0.70	0.83	0.77	0.83	0.77	0.84	0.80
THYROID								
STUDY OBS	1	1	0	3	0	0	1	0
SMR	0.92	0.68	0.00	2.00	0.00	0.00	0.66	0.00
CNTRL OBS	4	12	6	4	5	5	1	0
SMR	1.08	2.42	1.21	0.83	1.04	1.03	0.21	0.00
BONES & JOINTS								
STUDY OBS	1	8	4	5	2	3	2	1
SMR	0.37	2.48	1.39	1.76	0.69	1.13	1.01	2.69
CNTRL OBS	12	12	11	15	8	10	6	3
SMR	1.40	1.19	1.25	1.79	0.96	1.30	1.07	2.94
BLADDER								
STUDY OBS	4	13	4	10	11	8	16	1
SMR	0.52	1.26	0.36	0.81	0.81	0.55	1.06	0.32
CNTRL OBS	18	18	13	26	27	32	37	13
SMR	0.67	0.50	0.34	0.65	0.63	0.69	0.77	1.31
BRAIN & OTHER C.N.S.								
STUDY OBS	10	8	8	10	10	18	18	0
SMR	1.61	0.94	0.84	0.99	0.76	1.21	1.10	0.00
CNTRL OBS	22	30	20	39	57	51	48	14
SMR	1.18	1.17	0.70	1.31	1.49	1.16	1.00	1.42
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	7	11	4	0
SMR	0.00	0.00	0.00	0.00	1.13	1.59	1.20	0.00
CNTRL OBS	0	0	0	0	22	18	6	1
SMR	0.00	0.00	0.00	0.00	1.20	0.87	0.59	0.66



Fort Calhoun 1 (1973)

	YEARS BEFORE STARTUP						YEARS AFTER STARTUP		
	1950-53	1954-58	1959-63	1964-68	1969-73		1974-78	1979-83	1984-84
COLON & RECTUM									
STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
LIVER (PRIMARY)									
STUDY OBS	1	0	0	0	0		1	0	0
SMR	28.81	0.00	0.00	0.00	0.00		38.55	0.00	0.00
CNTRL OBS	0	0	0	1	0		0	0	0
SMR	0.00	0.00	0.00	9.99	0.00		0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
BREAST (FEMALE)									
STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
THYROID									
STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
BONES & JOINTS									
STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
BLADDER									
STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	1	0		0	0	0
SMR	0.00	0.00	0.00	59.70	0.00		0.00	0.00	0.00
BRAIN & OTHER C.N.S.									
STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0	0	0		0	0	1
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	21.50
CNTRL OBS	2	4	4	2	2		0	0	0
SMR	1.43	2.16	2.18	1.48	2.06		2.76	0.00	0.00
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00



Fort Calhoun 1 (1973)  
Harrison, IA ; Washington

	YEARS BEFORE STARTUP						YEARS AFTER STARTUP		
	1950-53	1954-58	1959-63	1964-68	1969-73		1974-78	1979-83	1984-84
COLON & RECTUM									
STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
LIVER (PRIMARY)									
STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0	1		0	0	0
SMR	0.00	0.00	0.00	0.00	18.63		0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
BREAST (FEMALE)									
STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
THYROID									
STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
BONES & JOINTS									
STUDY OBS	0	0	0	0	0		0	2	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	13.27	0.00
CNTRL OBS	0	1	1	0	1		1	1	0
SMR	0.00	1.54	1.56	0.00	1.46		1.83	2.36	0.00
BLADDER									
STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
BRAIN & OTHER C.N.S.									
STUDY OBS	1	1	1	0	0		1	0	0
SMR	4.47	3.41	3.24	0.00	0.00		3.72	0.00	0.00
CNTRL OBS	0	0	1	1	1		1	0	0
SMR	0.00	0.00	1.09	1.14	1.11		1.29	0.00	0.00
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0		0	0	0
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00



Table 2-C.14(MORT)

Age at death: 20 to 39		Fort Calhoun 1 (1973) Harrison, IA ; Washington, NE							
		YEARS BEFORE STARTUP			YEARS AFTER STARTUP				
		1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	2	1	0	0	0	1	0	0
	SMR	2.90	1.26	0.00	0.00	0.00	1.35	0.00	0.00
CNTRL	OBS	3	1	3	3	1	2	4	0
	SMR	1.39	0.40	1.36	1.47	0.49	0.91	1.78	0.00
ALL CANCER, EXCL LEUK									
STUDY	OBS	7	8	6	10	3	5	6	2
	SMR	1.13	1.14	0.95	1.72	0.54	0.89	1.00	1.54
CNTRL	OBS	10	12	16	19	16	13	13	2
	SMR	0.52	0.55	0.82	1.07	0.97	0.80	0.77	0.55
HODGKIN'S DISEASE									
STUDY	OBS	0	0	1	0	0	1	1	0
	SMR	0.00	0.00	1.67	0.00	0.00	2.31	2.75	0.00
CNTRL	OBS	1	1	2	3	3	0	0	0
	SMR	0.59	0.50	1.05	1.65	1.87	0.00	0.00	0.00
OTHER LYMPHOMA									
STUDY	OBS	2	0	0	0	0	1	0	1
	SMR	6.14	0.00	0.00	0.00	0.00	2.72	0.00	11.22
CNTRL	OBS	0	1	1	1	0	1	1	1
	SMR	0.00	0.85	0.88	0.94	0.00	0.92	0.83	3.93
MULTIPLE MYELOMA									
STUDY	OBS	0	0	0	1	0	0	0	0
	SMR	0.00	0.00	0.00	41.05	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS									
STUDY	OBS	0	0	1	1	1	0	1	0
	SMR	0.00	0.00	0.98	1.14	1.24	0.00	1.20	0.00
CNTRL	OBS	4	5	5	2	2	1	6	0
	SMR	1.08	1.28	1.57	0.74	0.84	0.43	2.56	0.00
STOMACH									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	1	0	1	0
	SMR	0.00	0.00	0.00	0.00	2.48	0.00	2.69	0.00

		YEARS BEFORE STARTUP		YEARS AFTER STARTUP			
		1964-68	1969-73	1974-78	1979-83	1984-84	
COLON & RECTUM	STUDY OBS	0	1	0	1	0	
	SMR	0.00	2.50	0.00	2.45	0.00	
	CNTRL OBS	4	1	1	4	0	
	SMR	2.14	0.84	0.86	3.48	0.00	
LIVER (PRIMARY)	STUDY OBS	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	
	CNTRL OBS	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	
TRACHEA, BRONCHUS, LUNG	STUDY OBS	1	0	2	0	1	
	SMR	2.94	0.00	3.68	0.00	7.96	
	CNTRL OBS	0	0	1	0	0	
	SMR	0.00	0.00	0.64	0.00	0.00	
BREAST (FEMALE)	STUDY OBS	1	0	0	2	0	
	SMR	1.21	0.00	0.00	2.03	0.00	
	CNTRL OBS	2	2	5	3	1	
	SMR	0.79	0.87	2.19	1.13	1.67	
THYROID	STUDY OBS	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	
	CNTRL OBS	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	
BONES & JOINTS	STUDY OBS	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	
	CNTRL OBS	0	1	0	0	0	
	SMR	0.00	3.08	0.00	0.00	0.00	
BLADDER	STUDY OBS	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	
	CNTRL OBS	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	
BRAIN & OTHER C.N.S.	STUDY OBS	0	0	0	2	0	
	SMR	0.00	0.00	0.00	3.35	0.00	
	CNTRL OBS	0	1	2	0	0	
	SMR	0.00	0.62	1.22	0.00	0.00	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	
	CNTRL OBS	0	0	1	0	0	
	SMR	0.00	0.00	1.95	0.00	0.00	

Age at death: 40 to 59

Fort Calhoun 1 (1973)  
Harrison, IA ; Washington, NE

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	1	5	4	4	4	4	2	0
SMR	0.53	2.19	1.85	1.95	2.05	2.12	1.10	0.00
CNTRL OBS	8	8	9	4	8	1	8	1
SMR	1.39	1.16	1.38	0.64	1.37	0.18	1.50	0.94
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	42	42	51	43	50	44	57	7
SMR	0.85	0.70	0.87	0.73	0.82	0.73	0.99	0.63
CNTRL OBS	123	161	137	140	162	129	140	25
SMR	0.82	0.89	0.78	0.78	0.89	0.72	0.82	0.74
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	0	1	1	0	0	1	0
SMR	0.00	0.00	1.16	1.20	0.00	0.00	2.94	0.00
CNTRL OBS	1	1	2	2	3	1	1	0
SMR	0.46	0.36	0.77	0.79	1.41	0.71	1.01	0.00
<b>OTHER LYMPHOMA</b>								
STUDY OBS	1	2	0	1	1	0	0	1
SMR	0.76	1.14	0.00	0.50	0.50	0.00	0.00	2.70
CNTRL OBS	1	8	2	6	9	12	4	1
SMR	0.25	1.51	0.35	0.99	1.50	2.13	0.71	0.89
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	1	0	2	0	1	0	1	0
SMR	2.21	0.00	2.94	0.00	1.47	0.00	1.44	0.00
CNTRL OBS	2	2	6	2	2	3	3	0
SMR	1.45	1.03	2.94	1.06	0.98	1.40	1.45	0.00
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	7	13	12	9	13	16	10	2
SMR	0.45	0.73	0.75	0.61	0.92	1.21	0.83	0.88
CNTRL OBS	40	43	43	30	40	44	42	3
SMR	0.84	0.80	0.89	0.67	0.94	1.13	1.18	0.43
<b>STOMACH</b>								
STUDY OBS	2	2	2	0	1	4	2	0
SMR	0.53	0.53	0.68	0.00	0.49	2.30	1.32	0.00
CNTRL OBS	11	10	6	3	8	5	6	0
SMR	0.96	0.88	0.68	0.42	1.31	0.97	1.34	0.00

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP			
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84	
COLON & RECTUM									
STUDY OBS	3	4	6	4	7		4	1	
SMR	0.45	0.52	0.85	0.60	1.08		0.73	0.97	
CNTRL OBS	16	21	24	18	19		21	2	
SMR	0.80	0.91	1.13	0.89	0.98		1.29	0.63	
LIVER (PRIMARY)									
STUDY OBS	1	3	2	0	1		0	0	
SMR	0.51	1.47	1.14	0.00	1.16		0.00	0.00	
CNTRL OBS	4	3	5	4	3		2	0	
SMR	0.68	0.49	0.95	0.97	1.16		1.03	0.00	
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	6	3	5	10	15		14	1	
SMR	0.87	0.30	0.44	0.75	0.94		0.77	0.29	
CNTRL OBS	6	25	22	25	35		41	9	
SMR	0.29	0.84	0.65	0.62	0.73		0.76	0.83	
BREAST (FEMALE)									
STUDY OBS	5	6	12	8	9		10	0	
SMR	0.78	0.75	1.49	0.95	1.04		1.27	0.00	
CNTRL OBS	22	23	20	19	17		17	3	
SMR	1.12	0.94	0.81	0.75	0.66		0.73	0.65	
THYROID									
STUDY OBS	0	0	0	0	0		0	0	
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
CNTRL OBS	1	1	1	0	3		0	1	
SMR	1.53	1.37	1.65	0.00	6.70		0.00	15.24	
BONES & JOINTS									
STUDY OBS	3	1	0	1	0		0	0	
SMR	7.30	2.30	0.00	3.53	0.00		0.00	0.00	
CNTRL OBS	0	2	1	0	0		0	0	
SMR	0.00	1.52	0.98	0.00	0.00		0.00	0.00	
BLADDER									
STUDY OBS	2	0	1	1	1		0	0	
SMR	2.03	0.00	1.10	1.21	1.28		0.00	0.00	
CNTRL OBS	0	3	1	2	1		1	0	
SMR	0.00	0.93	0.37	0.80	0.43		0.56	0.00	
BRAIN & OTHER C.N.S.									
STUDY OBS	2	1	1	0	1		1	1	
SMR	1.11	0.44	0.43	0.00	0.41		0.47	2.45	
CNTRL OBS	7	10	6	4	6		4	1	
SMR	1.28	1.44	0.85	0.60	0.82		0.64	0.81	
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0	0	0		0	0	
SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
CNTRL OBS	0	0	0	0	4		0	0	
SMR	0.00	0.00	0.00	0.00	1.76		0.00	0.00	

Table 2-C. 14(MORT)

Fort Calhoun † (1973) Harrison, IA ; Washington, NE									
	YEARS BEFORE STARTUP			YEARS AFTER STARTUP					
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84	
LEUKEMIA & ALEUKEMIA									
STUDY OBS	4	7	3	13	7	16	6	5	
SMR	0.81	0.94	0.35	1.34	0.70	1.56	0.54	2.20	
CNTRL OBS	22	23	38	32	32	37	30	8	
SMR	1.47	1.01	1.43	1.08	1.04	1.14	0.85	1.10	
ALL CANCER, EXCL LEUK									
STUDY OBS	114	183	219	221	231	211	245	34	
SMR	0.75	0.90	1.02	0.96	0.95	0.82	0.87	0.59	
CNTRL OBS	420	554	614	591	611	707	736	165	
SMR	0.91	0.90	0.94	0.84	0.82	0.87	0.82	0.89	
HODGKIN'S DISEASE									
STUDY OBS	2	3	0	1	2	0	3	0	
SMR	2.10	2.33	0.00	0.71	1.50	0.00	3.60	0.00	
CNTRL OBS	2	3	3	5	4	1	3	1	
SMR	0.69	0.76	0.72	1.17	0.98	0.31	1.14	1.93	
OTHER LYMPHOMA									
STUDY OBS	1	3	4	8	4	7	11	1	
SMR	0.39	0.74	0.79	1.30	0.57	0.92	1.19	0.52	
CNTRL OBS	5	12	11	12	24	38	37	10	
SMR	0.64	0.96	0.71	0.64	1.12	1.59	1.26	1.61	
MULTIPLE MYELOMA									
STUDY OBS	0	0	2	3	2	4	6	0	
SMR	0.00	0.00	0.85	1.02	0.56	0.96	1.24	0.00	
CNTRL OBS	4	6	12	10	10	13	17	2	
SMR	1.33	1.08	1.66	1.11	0.91	0.99	1.11	0.62	
DIGESTIVE ORGANS									
STUDY OBS	60	86	94	96	81	67	80	11	
SMR	0.87	0.99	1.08	1.11	0.96	0.81	0.94	0.64	
CNTRL OBS	206	248	278	232	225	241	242	53	
SMR	0.99	0.94	1.04	0.88	0.87	0.93	0.90	0.96	
STOMACH									
STUDY OBS	20	21	23	20	7	6	7	1	
SMR	1.01	0.94	1.20	1.24	0.52	0.53	0.67	0.48	
CNTRL OBS	67	55	78	58	31	40	28	7	
SMR	1.12	0.81	1.33	1.18	0.75	1.11	0.85	1.06	

Age at death: 60 plus

Fort Calhoun 1 (1973)  
Harrison, IA ; Washington, NE

Table 2-C.14(MORT)

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM	STUDY	20	45	46	47	46			8
	OBS	0.71	1.21	1.18	1.15	1.10	35	41	0.92
	SMR	92	121	127	110	133	0.83	0.95	22
	CNTRL	1.09	1.07	1.07	0.89	1.04	1.05	0.80	0.79
LIVER (PRIMARY)	STUDY	7	8	14	14	5	2	4	0
	OBS	0.84	0.78	1.41	1.73	1.05	0.53	1.00	0.00
	SMR	28	27	20	15	5	7	15	2
	CNTRL	1.12	0.87	0.66	0.61	0.34	0.59	1.19	0.76
TRACHEA, BRONCHUS, LUNG	STUDY	6	23	23	25	55	42	50	13
	OBS	0.45	1.03	0.78	0.65	1.13	0.72	0.71	0.89
	SMR	18	37	66	89	103	124	145	41
	CNTRL	0.43	0.53	0.72	0.75	0.69	0.67	0.65	0.87
BREAST (FEMALE)	STUDY	8	13	11	17	20	22	20	0
	OBS	0.73	0.88	0.70	1.02	1.12	1.17	0.97	0.00
	SMR	33	43	35	45	59	54	50	15
	CNTRL	1.03	1.00	0.76	0.91	1.10	0.92	0.76	1.10
THYROID	STUDY	1	2	1	1	0	2	1	1
	OBS	1.43	2.14	1.09	1.16	0.00	2.54	1.37	6.90
	SMR	1	2	2	2	3	1	1	0
	CNTRL	0.48	0.72	0.73	0.77	1.18	0.41	0.43	0.00
BONES & JOINTS	STUDY	2	0	0	2	0	1	1	0
	OBS	1.61	0.00	0.00	1.85	0.00	1.14	1.80	0.00
	SMR	4	7	5	3	4	5	2	0
	CNTRL	1.06	1.64	1.40	0.91	1.25	1.81	1.14	0.00
BLADDER	STUDY	2	9	8	5	12	7	6	1
	OBS	0.32	1.10	0.94	0.57	1.33	0.78	0.66	0.55
	SMR	12	16	20	21	17	29	22	1
	CNTRL	0.64	0.64	0.76	0.78	0.61	1.00	0.76	0.17
BRAIN & OTHER C.N.S.	STUDY	2	2	2	0	2	5	7	0
	OBS	1.84	1.20	0.96	0.00	0.54	1.08	1.34	0.00
	SMR	3	6	11	10	7	12	21	4
	CNTRL	0.88	1.16	1.73	1.31	0.62	0.83	1.26	1.16
BENIGN & UNSPEC NEOPLASMS	STUDY	0	0	0	0	1	4	3	0
	OBS	0.00	0.00	0.00	0.00	0.43	1.48	2.27	0.00
	SMR	0	0	0	0	2	6	5	0
	CNTRL	0.00	0.00	0.00	0.00	0.28	0.70	1.20	0.00



Table 2-C.14(MORT)

Age at death: all	Fort Calhoun 1 (1973) Harrison, IA ; Washington, NE							
	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
LEUKEMIA & ALEUKEMIA								
STUDY OBS	10	14	11	18	14			5
SMR	1.09	1.12	0.82	1.27	0.99		22	1.70
CNTRL OBS	41	36	52	45	47		43	9
SMR	1.48	0.94	1.25	1.04	1.09		0.99	0.97
ALL CANCER, EXCL LEUK								
STUDY OBS	168	237	277	276	284		263	45
SMR	0.80	0.87	0.98	0.93	0.91		0.81	0.64
CNTRL OBS	559	735	777	760	799		856	192
SMR	0.88	0.89	0.90	0.84	0.84		0.85	0.86
HODGKIN'S DISEASE								
STUDY OBS	2	4	2	2	2		1	0
SMR	0.85	1.34	0.67	0.67	0.74		0.50	0.00
CNTRL OBS	4	5	8	10	11		2	1
SMR	0.56	0.54	0.88	1.10	1.35		0.33	1.06
OTHER LYMPHOMA								
STUDY OBS	5	6	4	10	5		8	3
SMR	1.11	0.91	0.52	1.14	0.52		0.79	1.24
CNTRL OBS	7	22	16	20	34		52	12
SMR	0.51	1.09	0.68	0.74	1.16		1.66	1.56
MULTIPLE MYELOMA								
STUDY OBS	1	0	4	4	3		4	0
SMR	0.69	0.00	1.31	1.12	0.70		0.81	0.00
CNTRL OBS	6	8	18	12	12		16	2
SMR	1.35	1.05	1.92	1.10	0.92		1.04	0.55
DIGESTIVE ORGANS								
STUDY OBS	69	99	107	106	95		84	13
SMR	0.80	0.93	1.02	1.03	0.96		0.87	0.66
CNTRL OBS	250	296	326	265	268		286	56
SMR	0.96	0.92	1.02	0.85	0.89		0.95	0.90
STOMACH								
STUDY OBS	22	23	25	20	8		10	1
SMR	0.92	0.87	1.12	1.08	0.52		0.76	0.42
CNTRL OBS	78	65	84	61	40		45	7
SMR	1.08	0.81	1.23	1.08	0.84		1.08	0.92

Age at death: all

Fort Calhoun 1 (1973)  
Harrison, IA ; Washington, NE

Table 2-C.14(MORT)

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM								
STUDY OBS	23	49	52	51	54	44	46	9
SMR	0.65	1.07	1.11	1.06	1.11	0.91	0.94	0.92
CNTRL OBS	112	146	153	129	153	155	135	24
SMR	1.05	1.06	1.08	0.89	1.03	1.02	0.88	0.77
LIVER (PRIMARY)								
STUDY OBS	9	11	16	15	6	4	4	0
SMR	0.86	0.88	1.35	1.57	1.05	0.88	0.84	0.00
CNTRL OBS	32	30	26	20	9	11	17	2
SMR	1.02	0.80	0.72	0.69	0.52	0.78	1.14	0.65
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	13	27	28	35	70	54	64	15
SMR	0.63	0.83	0.68	0.67	1.07	0.71	0.72	0.82
CNTRL OBS	24	62	89	115	138	144	186	50
SMR	0.37	0.61	0.70	0.72	0.69	0.61	0.67	0.86
BREAST (FEMALE)								
STUDY OBS	14	20	24	26	29	27	32	0
SMR	0.76	0.84	0.98	1.00	1.06	0.96	1.08	0.00
CNTRL OBS	57	67	56	67	78	72	70	19
SMR	1.05	0.95	0.77	0.87	0.95	0.84	0.77	1.01
THYROID								
STUDY OBS	1	2	1	1	0	2	1	1
SMR	1.06	1.66	0.87	0.95	0.00	2.13	1.16	5.88
CNTRL OBS	2	3	3	2	6	1	1	1
SMR	0.71	0.83	0.87	0.63	1.96	0.34	0.37	1.86
BONES & JOINTS								
STUDY OBS	5	1	1	4	0	2	3	0
SMR	2.50	0.45	0.53	2.31	0.00	1.41	3.06	0.00
CNTRL OBS	4	11	8	3	6	6	3	0
SMR	0.66	1.61	1.40	0.57	1.18	1.37	1.00	0.00
BLADDER								
STUDY OBS	4	9	9	7	13	7	6	1
SMR	0.55	0.97	0.96	0.73	1.32	0.72	0.62	0.52
CNTRL OBS	12	19	21	24	18	33	23	1
SMR	0.55	0.67	0.72	0.81	0.59	1.06	0.75	0.16
BRAIN & OTHER C.N.S.								
STUDY OBS	5	6	4	2	3	8	10	2
SMR	1.21	1.09	0.68	0.34	0.41	1.00	1.19	1.18
CNTRL OBS	12	20	22	20	17	20	25	5
SMR	0.95	1.19	1.22	1.11	0.77	0.82	0.97	0.94
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	1	4	3	0
SMR	0.00	0.00	0.00	0.00	0.29	1.06	1.75	0.00
CNTRL OBS	0	0	0	0	6	10	5	0
SMR	0.00	0.00	0.00	0.00	0.57	0.86	0.94	0.00

Fort Calhoun 1 (1973)  
Harrison, IA ; Washington, NE

Age at diagnosis: under 10

	YEARS BEFORE STARTUP		YEARS AFTER STARTUP		
	1969-73		1974-78	1979-83	1984-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>					
STUDY OBS	1		3	1	0
SRR	1.91		5.03	1.76	0.00
CNTRL OBS	1		0	1	0
SRR	0.79		0.00	0.79	0.00
<b>ALL CANCER, EXCL LEUK</b>					
STUDY OBS	1		1	0	1
SRR	1.10		0.86	0.00	4.15
CNTRL OBS	2		3	2	1
SRR	0.91		1.15	0.75	1.79
<b>HODGKIN'S DISEASE</b>					
STUDY OBS	0		1	0	0
SRR	0.00		29.52	0.00	0.00
CNTRL OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00
<b>OTHER LYMPHOMA</b>					
STUDY OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00
CNTRL OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00
<b>MULTIPLE MYELOMA</b>					
STUDY OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00
CNTRL OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00
<b>DIGESTIVE ORGANS</b>					
STUDY OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00
CNTRL OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00
<b>STOMACH</b>					
STUDY OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00
CNTRL OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00

Age at diagnosis: under 10

Fort Calhoun 1 (1973)  
Harrison, IA ; Washington, NE

	1969-73	1974-78	1979-83	1984-84
<b>COLON &amp; RECTUM</b>				
STUDY OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
<b>LIVER (PRIMARY)</b>				
STUDY OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
<b>TRACHEA, BRONCHUS, LUNG</b>				
STUDY OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
<b>BREAST (FEMALE)</b>				
STUDY OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
<b>THYROID</b>				
STUDY OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
<b>BONES &amp; JOINTS</b>				
STUDY OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
<b>BONES &amp; JOINTS</b>				
STUDY OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
CNTRL OBS	1	0	0	0
SRR	14.65	0.00	0.00	0.00
<b>BLADDER</b>				
STUDY OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>				
STUDY OBS	0	0	0	1
SRR	0.00	0.00	0.00	13.32
CNTRL OBS	0	1	1	1
SRR	0.00	1.33	1.20	5.60

Table 2-C.14(INC)

Fort Calhoun 1 (1973)  
Harrison, IA ; Washington, NE

Age at diagnosis: 10 to 19

	YEARS BEFORE STARTUP		YEARS AFTER STARTUP		
	1969-73		1974-78	1979-83	1984-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>					
STUDY OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00
CNTRL OBS	1		1	2	0
SRR	1.20		1.01	2.47	0.00
<b>ALL CANCER, EXCL LEUK</b>					
STUDY OBS	0		2	0	1
SRR	0.00		1.05	0.00	3.29
CNTRL OBS	2		2	7	0
SRR	0.61		0.46	1.86	0.00
<b>HODGKIN'S DISEASE</b>					
STUDY OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00
CNTRL OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00
<b>OTHER LYMPHOMA</b>					
STUDY OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00
CNTRL OBS	1		0	3	0
SRR	3.61		0.00	7.60	0.00
<b>MULTIPLE MYELOMA</b>					
STUDY OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00
CNTRL OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00
<b>DIGESTIVE ORGANS</b>					
STUDY OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00
CNTRL OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00
<b>STOMACH</b>					
STUDY OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00
CNTRL OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00

Age at diagnosis: 10 to 19

Fort Calhoun 1 (1973)  
Harrison, IA ; Washington, NE

Table 2-C.14(INC)

	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM				
STUDY OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
LIVER (PRIMARY)				
STUDY OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG				
STUDY OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
BREAST (FEMALE)				
STUDY OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
THYROID				
STUDY OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
BONES & JOINTS				
STUDY OBS	0	1	0	0
SRR	0.00	5.08	0.00	0.00
CNTRL OBS	0	1	1	0
SRR	0.00	2.21	2.57	0.00
BLADDER				
STUDY OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.				
STUDY OBS	0	1	0	0
SRR	0.00	2.90	0.00	0.00
CNTRL OBS	0	0	1	0
SRR	0.00	0.00	1.70	0.00



Table 2-C.14(INC)

Fort Calhoun 1 (1973)  
Harrison, IA ; Washington, NE

Age at diagnosis: 20 to 39

	YEARS BEFORE STARTUP		YEARS AFTER STARTUP		
	1969-73		1974-78	1979-83	1984-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>					
STUDY OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00
CNTRL OBS	0		1	1	0
SRR	0.00		0.81	0.88	0.00
<b>ALL CANCER, EXCL LEUK</b>					
STUDY OBS	8		10	13	2
SRR	1.07		0.93	1.07	0.76
CNTRL OBS	16		28	25	5
SRR	0.90		1.15	0.93	0.89
<b>HODGKIN'S DISEASE</b>					
STUDY OBS	0		0	1	0
SRR	0.00		0.00	1.20	0.00
CNTRL OBS	2		1	4	0
SRR	1.45		0.56	2.16	0.00
<b>OTHER LYMPHOMA</b>					
STUDY OBS	0		1	1	0
SRR	0.00		2.02	1.68	0.00
CNTRL OBS	0		2	3	0
SRR	0.00		1.78	2.29	0.00
<b>MULTIPLE MYELOMA</b>					
STUDY OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00
CNTRL OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00
<b>DIGESTIVE ORGANS</b>					
STUDY OBS	1		1	2	0
SRR	1.52		1.09	1.94	0.00
CNTRL OBS	1		4	1	0
SRR	0.63		1.91	0.44	0.00
<b>STOMACH</b>					
STUDY OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00
CNTRL OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00

Age at diagnosis: 20 to 39

Fort Calhoun 1 (1973)  
Harrison, IA ; Washington, NE

	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM				
STUDY OBS	1	1	2	0
SRR	2.34	1.59	3.01	0.00
CNTRL OBS	1	4	1	0
SRR	0.97	2.78	0.68	0.00
LIVER (PRIMARY)				
STUDY OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG				
STUDY OBS	0	1	0	0
SRR	0.00	3.03	0.00	0.00
CNTRL OBS	1	0	0	0
SRR	1.46	0.00	0.00	0.00
BREAST (FEMALE)				
STUDY OBS	0	1	2	0
SRR	0.00	0.56	0.90	0.00
CNTRL OBS	1	6	2	1
SRR	0.44	1.50	0.42	0.95
THYROID				
STUDY OBS	0	2	0	0
SRR	0.00	2.44	0.00	0.00
CNTRL OBS	0	3	2	0
SRR	0.00	1.67	0.99	0.00
BONES & JOINTS				
STUDY OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	1	0
SRR	0.00	0.00	4.48	0.00
BLADDER				
STUDY OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	0	0
SRR	0.00	2.63	0.00	0.00
BRAIN & OTHER C.N.S.				
STUDY OBS	0	0	2	0
SRR	0.00	0.00	2.92	0.00
CNTRL OBS	2	1	1	0
SRR	2.63	0.73	0.66	0.00

Fort Calhoun 1 (1973)  
Harrison, IA ; Washington, NE

Age at diagnosis: 40 to 59

	YEARS BEFORE STARTUP		YEARS AFTER STARTUP		
	1969-73		1974-78	1979-83	1984-84
LEUKEMIA & ALEUKEMIA					
STUDY OBS	3		3	0	1
SRR	2.25		1.77	0.00	3.09
CNTRL OBS	1		3	6	0
SRR	0.31		0.72	1.41	0.00
ALL CANCER, EXCL LEUK					
STUDY OBS	54		63	67	9
SRR	0.94		0.88	0.99	0.72
CNTRL OBS	126		165	170	21
SRR	0.90		0.94	1.00	0.62
HODGKIN'S DISEASE					
STUDY OBS	0		0	0	0
SRR	0.00		0.00	0.00	0.00
CNTRL OBS	1		2	0	0
SRR	0.67		1.60	0.00	0.00
OTHER LYMPHOMA					
STUDY OBS	2		2	2	0
SRR	0.99		0.78	0.76	0.00
CNTRL OBS	11		7	7	1
SRR	2.22		1.12	1.07	0.76
MULTIPLE MYELOMA					
STUDY OBS	1		1	1	0
SRR	2.29		1.48	1.56	0.00
CNTRL OBS	1		2	0	0
SRR	0.93		1.21	0.00	0.00
DIGESTIVE ORGANS					
STUDY OBS	18		16	11	3
SRR	1.56		1.15	0.82	1.20
CNTRL OBS	21		37	36	7
SRR	0.74		1.08	1.06	1.03
STOMACH					
STUDY OBS	0		4	1	0
SRR	0.00		3.69	1.02	0.00
CNTRL OBS	4		1	3	0
SRR	1.62		0.38	1.21	0.00

Fort Calhoun 1 (1973)  
Harrison, IA ; Washington, NE

Age at diagnosis: 40 to 59

	1969-73	1974-78	1979-83	1984-84
<b>COLON &amp; RECTUM</b>				
STUDY OBS	15	9	10	1
SRR	1.93	0.92	1.07	0.58
CNTRL OBS	12	26	26	7
SRR	0.63	1.08	1.10	1.49
<b>LIVER (PRIMARY)</b>				
STUDY OBS	1	1	0	0
SRR	3.52	4.04	0.00	0.00
CNTRL OBS	0	1	0	0
SRR	0.00	1.65	0.00	0.00
<b>TRACHEA, BRONCHUS, LUNG</b>				
STUDY OBS	9	6	15	1
SRR	1.09	0.55	1.39	0.50
CNTRL OBS	16	11	27	4
SRR	0.79	0.41	0.99	0.73
<b>BREAST (FEMALE)</b>				
STUDY OBS	5	16	12	3
SRR	0.59	1.16	0.90	1.20
CNTRL OBS	18	31	45	2
SRR	0.87	0.93	1.36	0.30
<b>THYROID</b>				
STUDY OBS	1	0	0	0
SRR	1.69	0.00	0.00	0.00
CNTRL OBS	3	2	2	0
SRR	2.08	0.92	0.93	0.00
<b>BONES &amp; JOINTS</b>				
STUDY OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
<b>BLADDER</b>				
STUDY OBS	3	0	0	0
SRR	1.45	0.00	0.00	0.00
CNTRL OBS	3	6	11	1
SRR	0.59	0.96	1.70	0.77
<b>BRAIN &amp; OTHER C.N.S.</b>				
STUDY OBS	0	1	0	0
SRR	0.00	0.66	0.00	0.00
CNTRL OBS	3	0	3	0
SRR	1.04	0.00	0.76	0.00



Age at diagnosis: 60 plus

Fort Calhoun 1 (1973)  
Harrison, IA ; Washington, NE

	1969-73	1974-78	1979-83	1984-84
<b>COLON &amp; RECTUM</b>				
STUDY OBS	40	44	40	9
SRR	1.06	0.83	0.66	0.73
CNTRL OBS	98	133	119	30
SRR	1.05	0.98	0.77	0.94
<b>LIVER (PRIMARY)</b>				
STUDY OBS	1	2	1	0
SRR	0.86	1.41	0.68	0.00
CNTRL OBS	2	10	3	1
SRR	0.69	2.73	0.79	1.28
<b>TRACHEA, BRONCHUS, LUNG</b>				
STUDY OBS	21	32	39	5
SRR	0.87	0.88	0.89	0.55
CNTRL OBS	52	80	99	18
SRR	0.87	0.86	0.87	0.75
<b>BREAST (FEMALE)</b>				
STUDY OBS	17	22	29	13
SRR	1.05	0.74	0.84	1.84
CNTRL OBS	28	63	74	17
SRR	0.71	0.84	0.84	0.93
<b>THYROID</b>				
STUDY OBS	0	3	0	1
SRR	0.00	3.22	0.00	4.09
CNTRL OBS	3	1	2	0
SRR	1.66	0.43	0.66	0.00
<b>BONES &amp; JOINTS</b>				
STUDY OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
CNTRL OBS	1	1	2	0
SRR	2.15	1.11	2.60	0.00
<b>BLADDER</b>				
STUDY OBS	12	19	15	1
SRR	1.06	1.17	0.84	0.28
CNTRL OBS	16	43	41	12
SRR	0.57	1.02	0.88	1.26
<b>BRAIN &amp; OTHER C.N.S.</b>				
STUDY OBS	1	2	5	0
SRR	0.68	0.94	1.74	0.00
CNTRL OBS	5	3	12	1
SRR	1.38	0.55	1.61	0.62



Fort Calhoun 1 (1973)  
Harrison, IA ; Washington, NE

Age at diagnosis: all

	YEARS BEFORE STARTUP		YEARS AFTER STARTUP		
	1969-73		1974-78	1979-83	1984-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>					
STUDY OBS	15		14	10	1
SRR	1.42		1.01	0.72	0.36
CNTRL OBS	21		33	42	4
SRR	0.80		0.94	1.18	0.56
<b>ALL CANCER, EXCL LEUK</b>					
STUDY OBS	245		320	319	67
SRR	0.94		0.91	0.83	0.87
CNTRL OBS	577		841	901	163
SRR	0.90		0.95	0.92	0.81
<b>HODGKIN'S DISEASE</b>					
STUDY OBS	1		1	2	1
SRR	0.40		0.38	0.83	2.18
CNTRL OBS	3		4	6	1
SRR	0.50		0.63	1.05	0.92
<b>OTHER LYMPHOMA</b>					
STUDY OBS	2		8	10	0
SRR	0.24		0.69	0.73	0.00
CNTRL OBS	23		32	38	2
SRR	1.13		1.10	1.10	0.28
<b>MULTIPLE MYELOMA</b>					
STUDY OBS	2		7	3	2
SRR	0.60		1.52	0.57	1.88
CNTRL OBS	6		7	13	2
SRR	0.73		0.60	0.97	0.72
<b>DIGESTIVE ORGANS</b>					
STUDY OBS	78		89	73	15
SRR	1.10		0.96	0.73	0.75
CNTRL OBS	162		249	220	55
SRR	0.93		1.06	0.86	1.05
<b>STOMACH</b>					
STUDY OBS	4		13	7	0
SRR	0.49		1.52	0.89	0.00
CNTRL OBS	24		21	24	5
SRR	1.18		0.96	1.18	1.23

Age at diagnosis: all  
Fort Calhoun 1 (1973)  
Harrison, IA ; Washington, NE

	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM				
STUDY OBS	56	54	52	10
SRR	1.22	0.85	0.74	0.71
CNTRL OBS	111	163	146	37
SRR	0.98	1.01	0.81	1.00
LIVER (PRIMARY)				
STUDY OBS	2	3	1	0
SRR	1.30	1.70	0.56	0.00
CNTRL OBS	2	11	3	1
SRR	0.52	2.45	0.65	1.06
TRACHEA, BRONCHUS, LUNG				
STUDY OBS	30	39	54	6
SRR	0.92	0.82	0.98	0.54
CNTRL OBS	69	91	126	22
SRR	0.85	0.75	0.89	0.74
BREAST (FEMALE)				
STUDY OBS	22	39	43	16
SRR	0.86	0.86	0.86	1.59
CNTRL OBS	47	100	121	20
SRR	0.75	0.89	0.96	0.77
THYROID				
STUDY OBS	1	5	0	1
SRR	0.52	1.79	0.00	1.58
CNTRL OBS	6	6	6	0
SRR	1.30	0.90	0.79	0.00
BONES & JOINTS				
STUDY OBS	0	1	0	0
SRR	0.00	1.17	0.00	0.00
CNTRL OBS	2	2	4	0
SRR	1.63	0.97	2.25	0.00
BLADDER				
STUDY OBS	15	19	15	1
SRR	1.11	1.00	0.72	0.24
CNTRL OBS	19	50	52	13
SRR	0.56	1.02	0.97	1.19
BRAIN & OTHER C.N.S.				
STUDY OBS	1	4	7	1
SRR	0.29	0.81	1.21	0.85
CNTRL OBS	10	5	18	2
SRR	1.18	0.42	1.26	0.67







Age at death: 10 to 19

Oconee 1,2,3 (1973)  
Oconee, SC ; Pickens, SC

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM									
STUDY	OBS	0	1	0	0	0	0	0	0
	SMR	0.00	10.71	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	1	1	0	0	0	0	0
	SMR	0.00	7.25	7.73	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG									
STUDY	OBS	0	0	0	1	0	0	0	0
	SMR	0.00	0.00	0.00	23.75	0.00	0.00	0.00	0.00
CNTRL	OBS	1	0	0	0	1	0	0	0
	SMR	12.38	0.00	0.00	0.00	13.55	0.00	0.00	0.00
BREAST (FEMALE)									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS									
STUDY	OBS	1	1	1	0	0	0	0	0
	SMR	1.75	1.33	1.32	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	2	2	2	1	1	0	0	0
	SMR	2.38	1.73	1.68	0.80	0.79	0.00	0.00	0.00
BLADDER									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.									
STUDY	OBS	2	0	3	2	0	0	2	0
	SMR	2.82	0.00	2.89	2.06	0.00	0.00	2.28	0.00
CNTRL	OBS	0	2	0	2	3	2	3	0
	SMR	0.00	1.33	0.00	1.28	1.80	1.25	2.23	0.00
BENIGN & UNSPEC NEOPLASMS									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	2	1	0	0
	SMR	0.00	0.00	0.00	0.00	3.61	1.95	0.00	0.00



Age at death: 20 to 39

Oconee 1,2,3 (1973)  
Oconee, SC ; Pickens, SC

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	5	3	3	1	3	6	2	1
SMR	2.33	1.10	1.11	0.35	0.96	1.69	0.51	1.21
CNTRL OBS	8	3	3	4	10	3	4	1
SMR	2.30	0.69	0.71	0.92	2.15	0.58	0.71	0.83
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	19	29	27	26	25	14	34	4
SMR	1.00	1.24	1.17	1.09	1.01	0.54	1.20	0.66
CNTRL OBS	27	34	30	46	37	44	41	9
SMR	0.84	0.87	0.78	1.20	0.96	1.09	0.94	0.97
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	1	0	4	1	1	0	1	0
SMR	0.60	0.00	1.77	0.41	0.41	0.00	0.56	0.00
CNTRL OBS	2	0	4	2	7	2	1	1
SMR	0.75	0.00	1.13	0.53	1.95	0.67	0.39	1.91
<b>OTHER LYMPHOMA</b>								
STUDY OBS	0	0	2	2	3	0	1	0
SMR	0.00	0.00	1.47	1.37	1.91	0.00	0.49	0.00
CNTRL OBS	0	2	0	1	1	0	1	1
SMR	0.00	0.99	0.00	0.44	0.42	0.00	0.33	1.55
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	1	0	0	0	0	0	1	0
SMR	12.91	0.00	0.00	0.00	0.00	0.00	8.03	0.00
CNTRL OBS	0	1	0	0	2	0	0	0
SMR	0.00	5.51	0.00	0.00	12.94	0.00	0.00	0.00
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	6	8	3	5	1	3	4	1
SMR	1.66	1.93	0.79	1.37	0.27	0.80	0.99	1.15
CNTRL OBS	5	8	4	5	3	10	6	1
SMR	0.81	1.13	0.62	0.83	0.51	1.67	0.95	0.74
<b>STOMACH</b>								
STUDY OBS	0	1	2	2	0	0	0	0
SMR	0.00	1.09	2.53	2.93	0.00	0.00	0.00	0.00
CNTRL OBS	0	4	1	0	1	2	1	0
SMR	0.00	2.52	0.74	0.00	0.97	2.02	0.95	0.00

Table 2-C.15

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM	STUDY OBS	3	4	1	2	0	0	3	1
	SMR	1.69	1.96	0.55	1.13	0.00	0.00	1.55	2.43
	CNTRL OBS	2	2	1	2	1	5	4	0
LIVER (PRIMARY)	SMR	0.66	0.58	0.32	0.69	0.35	1.70	1.32	0.00
	STUDY OBS	3	0	0	1	1	0	0	0
	SMR	7.59	0.00	0.00	2.63	2.78	0.00	0.00	0.00
CNTRL OBS	SMR	1	1	1	2	0	1	0	0
	SMR	1.48	1.35	1.54	3.24	0.00	1.69	0.00	0.00
	TRACHEA, BRONCHUS, LUNG								
STUDY OBS	SMR	1	2	2	1	2	1	3	0
	SMR	0.99	1.38	1.17	0.49	0.86	0.41	1.17	0.00
	CNTRL OBS	3	0	2	6	2	4	6	0
SMR	SMR	1.75	0.00	0.68	1.76	0.53	1.01	1.47	0.00
	BREAST (FEMALE)								
	STUDY OBS	0	3	2	2	2	4	10	0
SMR	SMR	0.00	1.00	0.65	0.64	0.60	1.12	2.31	0.00
	CNTRL OBS	1	5	3	7	2	8	11	1
	SMR	0.24	0.94	0.55	1.33	0.37	1.35	1.54	0.64
THYROID	STUDY OBS	0	0	0	0	0	0	0	1
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.16
	CNTRL OBS	0	1	0	1	0	0	0	0
SMR	SMR	0.00	7.18	0.00	7.84	0.00	0.00	0.00	0.00
	BONES & JOINTS								
	STUDY OBS	1	2	1	1	0	0	1	0
SMR	SMR	2.29	3.88	2.13	2.16	0.00	0.00	1.53	0.00
	CNTRL OBS	1	0	0	1	1	2	0	0
	SMR	1.50	0.00	0.00	1.54	1.36	2.42	0.00	0.00
BLADDER	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	1	0	1	0	0
SMR	SMR	0.00	0.00	0.00	7.24	0.00	8.55	0.00	0.00
	BRAIN & OTHER C.N.S.								
	STUDY OBS	2	1	5	1	5	0	1	1
SMR	SMR	1.24	0.49	2.41	0.50	2.08	0.00	0.36	1.68
	CNTRL OBS	3	4	2	2	4	5	0	0
	SMR	1.13	1.20	0.60	0.63	1.09	1.29	0.00	0.00
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	1	0	0	0
SMR	SMR	0.00	0.00	0.00	0.00	0.78	0.00	0.00	0.00

		Oconee 1,2,3 (1973) Oconee, SC ; Pickens, SC				
		YEARS BEFORE STARTUP		YEARS AFTER STARTUP		
		1964-68	1969-73	1974-78	1979-83	1984-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>						
STUDY OBS	2		3		9	0
SMR	0.56	0.86	0.49	1.38	1.27	0.00
CNTRL OBS	5	11	9	15	12	6
SMR	0.80	1.08	0.85	1.35	1.01	2.41
<b>ALL CANCER, EXCL LEUK</b>						
STUDY OBS	81	135	160	207	219	47
SMR	0.84	0.78	0.81	0.97	0.95	0.99
CNTRL OBS	139	255	342	342	375	69
SMR	0.82	0.85	1.01	0.93	0.97	0.85
<b>HODGKIN'S DISEASE</b>						
STUDY OBS	0	1	1	1	0	1
SMR	0.00	0.42	0.45	0.60	0.00	3.84
CNTRL OBS	5	4	5	2	8	1
SMR	2.07	0.97	1.30	0.72	3.66	2.29
<b>OTHER LYMPHOMA</b>						
STUDY OBS	1	0	8	9	9	4
SMR	0.41	0.00	1.30	1.40	1.25	2.66
CNTRL OBS	2	3	11	8	10	0
SMR	0.47	0.31	1.03	0.73	0.82	0.00
<b>MULTIPLE MYELOMA</b>						
STUDY OBS	0	2	4	2	3	0
SMR	0.00	1.03	1.72	0.75	1.03	0.00
CNTRL OBS	3	0	4	5	3	0
SMR	1.95	0.00	1.00	1.10	0.61	0.00
<b>DIGESTIVE ORGANS</b>						
STUDY OBS	31	23	25	36	54	3
SMR	1.01	0.52	0.54	0.76	1.11	0.30
CNTRL OBS	40	67	72	59	70	16
SMR	0.75	0.88	0.90	0.73	0.86	0.95
<b>STOMACH</b>						
STUDY OBS	6	3	5	3	9	0
SMR	0.76	0.41	0.71	0.46	1.42	0.00
CNTRL OBS	9	10	11	8	11	6
SMR	0.67	0.79	0.92	0.73	1.05	2.77

Age at death: 40 to 59

Oconee 1,2,3 (1973)  
Oconee, SC ; Pickens, SC

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP			
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84	
COLON & RECTUM									
STUDY OBS	10	9	10	11	12	9	22	3	
SMR	0.81	0.55	0.58	0.59	0.59	0.43	1.03	0.69	
CNTRL OBS	13	16	19	18	27	23	32	4	
SMR	0.60	0.56	0.62	0.55	0.77	0.63	0.88	0.54	
LIVER (PRIMARY)									
STUDY OBS	7	4	4	2	3	2	8	0	
SMR	1.82	0.86	0.88	0.48	1.01	0.77	2.82	0.00	
CNTRL OBS	4	5	12	7	3	0	4	0	
SMR	0.60	0.62	1.50	0.97	0.59	0.00	0.85	0.00	
TRACHEA, BRONCHUS, LUNG									
STUDY OBS	10	23	24	29	33	61	70	15	
SMR	0.80	1.13	0.88	0.77	0.65	0.99	0.98	1.01	
CNTRL OBS	18	25	36	48	79	99	113	22	
SMR	0.83	0.70	0.75	0.73	0.91	0.94	0.94	0.87	
BREAST (FEMALE)									
STUDY OBS	6	16	26	24	21	26	25	8	
SMR	0.47	0.86	1.22	0.98	0.76	0.88	0.80	1.26	
CNTRL OBS	17	27	39	52	40	50	48	8	
SMR	0.74	0.82	1.04	1.20	0.82	0.97	0.90	0.72	
THYROID									
STUDY OBS	0	1	1	0	0	1	1	0	
SMR	0.00	1.90	1.96	0.00	0.00	2.07	2.21	0.00	
CNTRL OBS	0	1	0	1	2	1	0	0	
SMR	0.00	1.08	0.00	1.15	2.41	1.21	0.00	0.00	
BONES & JOINTS									
STUDY OBS	1	2	1	0	0	1	0	0	
SMR	1.25	2.07	1.16	0.00	0.00	1.32	0.00	0.00	
CNTRL OBS	1	4	2	2	2	1	0	0	
SMR	0.71	2.36	1.32	1.41	1.41	0.77	0.00	0.00	
BLADDER									
STUDY OBS	1	3	2	0	2	2	2	0	
SMR	0.53	1.29	0.87	0.00	0.80	0.81	0.86	0.00	
CNTRL OBS	1	0	3	4	4	7	4	0	
SMR	0.31	0.00	0.74	0.96	0.93	1.67	1.03	0.00	
BRAIN & OTHER C.N.S.									
STUDY OBS	2	8	4	11	11	9	6	1	
SMR	0.62	1.68	0.72	1.85	1.48	1.16	0.75	0.61	
CNTRL OBS	7	6	17	8	17	14	17	4	
SMR	1.22	0.71	1.72	0.76	1.31	1.05	1.26	1.43	
BENIGN & UNSPEC NEOPLASMS									
STUDY OBS	0	0	0	0	3	4	0	0	
SMR	0.00	0.00	0.00	0.00	1.17	1.58	0.00	0.00	
CNTRL OBS	0	0	0	0	5	2	2	0	
SMR	0.00	0.00	0.00	0.00	1.14	0.46	1.15	0.00	

Age at death: 60 plus

Oconee 1,2,3 (1973)  
Oconee, SC ; Pickens, SC

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	7	7	14	10	27		32	8
SMR	1.13	0.70	1.12	0.65	1.52	13	1.18	1.32
CNTRL OBS	7	12	18	29	11	0.60	38	13
SMR	0.61	0.65	0.77	1.03	0.34	0.77	0.78	1.20
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	134	225	250	307	389	507	717	128
SMR	0.68	0.79	0.76	0.79	0.83	0.85	0.95	0.76
CNTRL OBS	260	394	454	531	713	924	1198	274
SMR	0.72	0.76	0.75	0.75	0.85	0.88	0.90	0.92
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	2	1	4	0	3	5	1
SMR	0.00	1.10	0.49	1.68	0.00	1.29	2.27	2.15
CNTRL OBS	0	4	2	2	7	4	9	0
SMR	0.00	1.20	0.53	0.46	1.51	0.96	2.29	0.00
<b>OTHER LYMPHOMA</b>								
STUDY OBS	0	3	7	9	15	17	22	5
SMR	0.00	0.53	0.92	0.88	1.16	1.00	0.93	0.93
CNTRL OBS	2	13	9	15	21	21	44	8
SMR	0.33	1.24	0.64	0.81	0.89	0.69	1.04	0.83
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	0	1	3	9	11	16	2
SMR	0.00	0.00	0.26	0.56	1.22	1.07	1.17	0.66
CNTRL OBS	0	5	8	14	15	13	30	5
SMR	0.00	1.01	1.14	1.47	1.15	0.72	1.26	0.94
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	49	84	102	91	132	156	216	26
SMR	0.56	0.70	0.78	0.63	0.84	0.84	0.98	0.54
CNTRL OBS	117	158	158	180	231	270	296	59
SMR	0.73	0.71	0.65	0.69	0.81	0.81	0.76	0.69
<b>STOMACH</b>								
STUDY OBS	13	21	15	13	22	15	22	8
SMR	0.50	0.66	0.50	0.47	0.86	0.57	0.79	1.33
CNTRL OBS	38	39	31	28	39	31	26	6
SMR	0.81	0.68	0.57	0.57	0.86	0.67	0.53	0.57

Age at death: 60 plus

Oconee 1,2,3 (1973)  
Oconee, SC ; Pickens, SC

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM	STUDY OBS	14	34	45	36	51	64	102	11
	SMR	0.40	0.68	0.79	0.55	0.67	0.70	0.94	0.46
	CNTRL OBS	37	58	65	74	99	109	152	23
	SMR	0.58	0.63	0.61	0.61	0.72	0.66	0.79	0.54
LIVER (PRIMARY)	STUDY OBS	11	6	15	9	11	12	17	0
	SMR	1.02	0.42	0.99	0.66	1.19	1.33	1.54	0.00
	CNTRL OBS	23	17	23	15	7	11	15	7
	SMR	1.16	0.65	0.82	0.60	0.43	0.70	0.78	1.62
TRACHEA, BRONCHUS, LUNG	STUDY OBS	10	22	28	42	71	117	180	41
	SMR	0.55	0.68	0.61	0.63	0.74	0.83	0.91	0.92
	CNTRL OBS	8	39	62	73	117	216	307	79
	SMR	0.24	0.67	0.74	0.60	0.68	0.87	0.88	0.99
BREAST (FEMALE)	STUDY OBS	9	9	14	22	27	35	55	5
	SMR	0.64	0.43	0.58	0.74	0.74	0.76	0.94	0.39
	CNTRL OBS	21	21	36	44	59	57	92	20
	SMR	0.79	0.54	0.80	0.82	0.90	0.69	0.89	0.87
THYROID	STUDY OBS	1	0	0	1	0	2	2	0
	SMR	1.12	0.00	0.00	0.68	0.00	1.14	1.07	0.00
	CNTRL OBS	1	2	0	2	0	3	2	0
	SMR	0.60	0.83	0.00	0.75	0.00	0.95	0.60	0.00
BONES & JOINTS	STUDY OBS	2	2	1	2	1	1	1	1
	SMR	1.26	1.04	0.57	1.10	0.51	0.51	0.71	3.71
	CNTRL OBS	1	2	3	6	1	5	2	0
	SMR	0.35	0.57	0.93	1.82	0.28	1.42	0.80	0.00
BLADDER	STUDY OBS	4	9	10	14	9	19	19	4
	SMR	0.53	0.84	0.83	1.02	0.57	1.03	0.90	0.87
	CNTRL OBS	4	13	10	12	15	30	44	6
	SMR	0.29	0.65	0.45	0.48	0.53	0.90	1.18	0.73
BRAIN & OTHER C.N.S.	STUDY OBS	1	4	2	5	9	11	24	4
	SMR	0.68	1.63	0.60	1.10	1.17	0.96	1.62	1.22
	CNTRL OBS	5	2	4	5	10	18	25	11
	SMR	1.84	0.45	0.66	0.60	0.72	0.88	0.95	1.88
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	2	6	4	0
	SMR	0.00	0.00	0.00	0.00	0.43	0.97	1.14	0.00
	CNTRL OBS	0	0	0	0	9	12	4	0
	SMR	0.00	0.00	0.00	0.00	1.08	1.08	0.65	0.00



Age at death: all

Oconee 1,2,3 (1973)  
Oconee, SC ; Pickens, SC

	YEARS AFTER STARTUP									
	YEARS BEFORE STARTUP			1974-78			1979-83			1984-84
	1950-53	1954-58	1959-63	1964-68	1969-73					
<b>LEUKEMIA &amp; ALEUKEMIA</b>										
STUDY OBS	15	18	27	23	36			45	10	
SMR	0.91	0.76	1.02	0.78	1.12			1.08	1.11	
CNTRL OBS	23	34	38	51	33			63	21	
SMR	0.80	0.82	0.81	0.98	0.59			0.88	1.35	
<b>ALL CANCER, EXCL LEUK</b>										
STUDY OBS	239	385	433	482	577			976	181	
SMR	0.75	0.86	0.85	0.81	0.83			0.88	0.81	
CNTRL OBS	435	647	729	843	1109			1626	352	
SMR	0.76	0.80	0.79	0.80	0.90			0.90	0.90	
<b>HODGKIN'S DISEASE</b>										
STUDY OBS	1	4	6	8	2			6	2	
SMR	0.21	0.62	0.85	1.03	0.26			1.08	1.76	
CNTRL OBS	7	12	7	9	19			19	2	
SMR	0.88	1.09	0.58	0.69	1.49			2.10	1.07	
<b>OTHER LYMPHOMA</b>										
STUDY OBS	2	8	13	16	27			33	9	
SMR	0.26	0.68	0.89	0.88	1.25			0.98	1.21	
CNTRL OBS	5	23	12	20	36			57	9	
SMR	0.38	1.10	0.46	0.62	0.94			0.97	0.69	
<b>MULTIPLE MYELOMA</b>										
STUDY OBS	1	1	5	5	13			20	2	
SMR	0.43	0.23	0.86	0.68	1.32			1.20	0.54	
CNTRL OBS	3	6	9	14	21			33	5	
SMR	0.72	0.77	0.87	1.07	1.22			1.14	0.78	
<b>DIGESTIVE ORGANS</b>										
STUDY OBS	87	120	140	119	159			275	30	
SMR	0.71	0.73	0.79	0.62	0.76			1.01	0.51	
CNTRL OBS	162	211	225	253	306			374	76	
SMR	0.73	0.71	0.70	0.73	0.83			0.78	0.73	
<b>STOMACH</b>										
STUDY OBS	19	28	26	18	27			31	8	
SMR	0.55	0.67	0.67	0.51	0.81			0.89	1.07	
CNTRL OBS	47	56	46	38	51			38	12	
SMR	0.76	0.75	0.66	0.60	0.87			0.63	0.93	

Age at death: all

Oconee 1,2,3 (1973)  
Oconee, SC ; Pickens, SC

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM								
STUDY OBS	28	48	56	49	63	73	127	15
SHR	0.57	0.70	0.74	0.57	0.64	0.64	0.96	0.53
CNTRL OBS	52	77	86	94	127	137	189	27
SHR	0.58	0.62	0.62	0.60	0.72	0.67	0.82	0.53
LIVER (PRIMARY)								
STUDY OBS	21	10	19	12	16	14	25	0
SHR	1.39	0.51	0.94	0.65	1.26	1.15	1.72	0.00
CNTRL OBS	28	23	37	25	10	12	20	7
SHR	1.02	0.65	1.00	0.76	0.45	0.57	0.80	1.27
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	21	47	54	73	106	179	253	56
SHR	0.66	0.87	0.72	0.69	0.71	0.88	0.93	0.93
CNTRL OBS	30	64	100	127	199	319	426	101
SHR	0.53	0.66	0.74	0.67	0.76	0.89	0.90	0.96
BREAST (FEMALE)								
STUDY OBS	15	28	42	48	50	65	90	13
SHR	0.51	0.66	0.86	0.84	0.74	0.82	0.96	0.64
CNTRL OBS	39	53	78	103	101	115	151	29
SHR	0.73	0.69	0.89	1.00	0.84	0.82	0.92	0.81
THYROID								
STUDY OBS	1	1	1	1	0	3	3	1
SHR	0.72	0.52	0.50	0.49	0.00	1.30	1.25	1.96
CNTRL OBS	1	4	0	4	2	4	2	0
SHR	0.40	1.14	0.00	1.09	0.52	0.97	0.47	0.00
BONES & JOINTS								
STUDY OBS	5	8	4	3	1	2	2	1
SHR	1.42	1.86	1.01	0.75	0.24	0.48	0.60	1.57
CNTRL OBS	5	8	7	11	5	8	2	0
SHR	0.83	1.08	1.02	1.61	0.70	1.16	0.37	0.00
BLADDER								
STUDY OBS	5	12	12	14	11	21	21	4
SHR	0.52	0.91	0.83	0.86	0.60	1.00	0.90	0.79
CNTRL OBS	5	13	13	17	19	38	48	6
SHR	0.29	0.54	0.49	0.58	0.58	1.01	1.16	0.67
BRAIN & OTHER C.N.S.								
STUDY OBS	7	14	15	20	26	23	34	8
SHR	0.84	1.17	1.09	1.34	1.32	0.97	1.24	1.37
CNTRL OBS	18	16	27	18	36	40	46	15
SHR	1.25	0.77	1.13	0.69	1.05	0.98	0.98	1.49
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	5	10	4	0
SHR	0.00	0.00	0.00	0.00	0.57	0.97	0.78	0.00
CNTRL OBS	0	0	0	0	17	15	6	0
SHR	0.00	0.00	0.00	0.00	1.12	0.84	0.68	0.00

Age at death: under 10

Prairie Island 1,2 (1973)  
Goodhue, MN ; Pierce, WI

		YEARS BEFORE STARTUP			YEARS AFTER STARTUP		
		1964-68	1969-73	1974-78	1979-83	1984-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>							
STUDY	OBS	2	3			1	
	SMR	0.99	1.13			5.27	
CNTRL	OBS	1	8			0	
	SMR	0.17	1.04			0.00	
<b>ALL CANCER, EXCL LEUK</b>							
STUDY	OBS	0	2			1	
	SMR	0.00	0.73			3.17	
CNTRL	OBS	5	10			0	
	SMR	0.82	1.26			0.00	
<b>HODGKIN'S DISEASE</b>							
STUDY	OBS	0	1			0	
	SMR	0.00	21.14			0.00	
CNTRL	OBS	0	0			0	
	SMR	0.00	0.00			0.00	
<b>OTHER LYMPHOMA</b>							
STUDY	OBS	0	0			0	
	SMR	0.00	0.00			0.00	
CNTRL	OBS	1	0			0	
	SMR	1.17	0.00			0.00	
<b>MULTIPLE MYELOMA</b>							
STUDY	OBS	0	0			0	
	SMR	0.00	0.00			0.00	
CNTRL	OBS	0	0			0	
	SMR	0.00	0.00			0.00	
<b>DIGESTIVE ORGANS</b>							
STUDY	OBS	0	0			0	
	SMR	0.00	0.00			0.00	
CNTRL	OBS	0	2			0	
	SMR	0.00	4.81			0.00	
<b>STOMACH</b>							
STUDY	OBS	0	0			0	
	SMR	0.00	0.00			0.00	
CNTRL	OBS	0	0			0	
	SMR	0.00	0.00			0.00	

[illegible]



		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS	STUDY OBS	1	1	0	1	0	0	1	0
	SMR	3.38	2.50	0.00	2.05	0.00	0.00	2.78	0.00
	CNTRL OBS	2	3	2	3	0	4	0	0
	SMR	2.34	2.64	1.68	2.23	0.00	3.43	0.00	0.00
BLADDER	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	1	1	0	2	2	0	0	0
	SMR	0.91	0.66	0.00	1.17	1.09	0.00	0.00	0.00
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	1	0	0	0
	SMR	0.00	0.00	0.00	0.00	1.73	0.00	0.00	0.00



Prairie Island 1,2 (1973)  
Goodhue, MN ; Pierce, WI

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	1	2	2	1	2	1	3	0
SHR	0.83	1.40	1.51	0.73	1.33	0.57	1.55	0.00
CNTRL OBS	4	6	3	5	5	3	4	0
SHR	1.14	1.44	0.78	1.27	1.17	0.61	0.72	0.00
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	11	10	11	11	9	10	7	5
SHR	1.02	0.81	0.95	0.96	0.76	0.79	0.50	1.66
CNTRL OBS	28	31	38	23	32	28	32	5
SHR	0.89	0.86	1.13	0.70	0.96	0.80	0.81	0.58
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	2	3	2	0	1	0	0
SHR	0.00	1.75	2.62	1.64	0.00	0.97	0.00	0.00
CNTRL OBS	3	5	5	4	4	4	1	0
SHR	1.09	1.50	1.51	1.14	1.18	1.39	0.39	0.00
<b>OTHER LYMPHOMA</b>								
STUDY OBS	0	0	0	0	0	1	2	1
SHR	0.00	0.00	0.00	0.00	0.00	1.16	1.97	4.58
CNTRL OBS	0	1	0	3	2	2	4	0
SHR	0.00	0.51	0.00	1.48	0.93	0.83	1.39	0.00
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	0	0	0	0	0	0	1
SHR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.43
CNTRL OBS	0	1	0	1	0	0	0	0
SHR	0.00	6.18	0.00	7.48	0.00	0.00	0.00	0.00
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	2	2	0	2	2	2	0	0
SHR	0.97	0.90	0.00	1.16	1.18	1.13	0.00	0.00
CNTRL OBS	9	1	4	7	7	4	5	0
SHR	1.50	0.15	0.74	1.42	1.49	0.82	0.92	0.00
<b>STOMACH</b>								
STUDY OBS	1	1	0	1	0	0	0	0
SHR	2.14	2.08	0.00	3.25	0.00	0.00	0.00	0.00
CNTRL OBS	2	0	1	0	0	1	1	0
SHR	1.47	0.00	0.91	0.00	0.00	1.32	1.17	0.00

Prairie Island 1,2 (1973)  
Goodhue, MN ; Pierce, WI

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM	STUDY OBS	1	0	0	0	2	1	0	0
	SMR	0.96	0.00	0.00	0.00	2.38	1.12	0.00	0.00
	CNTRL OBS	3	1	2	3	4	1	1	0
LIVER (PRIMARY)	SMR	0.99	0.31	0.74	1.22	1.72	0.41	0.38	0.00
	STUDY OBS	0	1	0	1	0	1	0	0
	SMR	0.00	4.61	0.00	5.99	0.00	5.91	0.00	0.00
TRACHEA, BRONCHUS, LUNG	CNTRL OBS	3	0	0	2	0	0	0	0
	SMR	5.00	0.00	0.00	4.18	0.00	0.00	0.00	0.00
	STUDY OBS	1	0	0	1	0	0	0	0
BREAST (FEMALE)	SMR	1.68	0.00	0.00	0.99	0.00	0.00	0.00	0.00
	CNTRL OBS	0	3	0	0	1	2	2	2
	SMR	0.00	1.27	0.00	0.00	0.33	0.62	0.57	2.56
THYROID	STUDY OBS	0	2	1	1	0	1	0	3
	SMR	0.00	1.20	0.64	0.66	0.00	0.57	0.00	6.34
	CNTRL OBS	4	4	8	2	6	4	4	2
BONES & JOINTS	SMR	0.98	0.82	1.73	0.46	1.37	0.85	0.67	1.47
	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BLADDER	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	1	1	0	0	0	0	0
BRAIN & OTHER C.N.S.	SMR	0.00	4.05	4.71	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	1	0	0	0	0	0	0	0
	SMR	1.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
BENIGN & UNSPEC NEOPLASMS	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	2	1	1	0	3	2	2	0
	SMR	2.09	0.87	0.93	0.00	2.53	1.55	1.39	0.00
BENIGN & UNSPEC NEOPLASMS	CNTRL OBS	2	4	4	1	3	2	7	1
	SMR	0.72	1.20	1.28	0.34	0.90	0.56	1.72	1.15
	STUDY OBS	0	0	0	0	0	0	0	0
BENIGN & UNSPEC NEOPLASMS	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	1	1	0	0
	SMR	0.00	0.00	0.00	0.00	0.92	0.89	0.00	0.00

Age at death: 40 to 59

Prairie Island 1,2 (1973)  
Goodhue, MN ; Pierce, WI

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	5	4	4	3	4		8	0
SMR	1.50	0.98	1.01	0.79	1.10	1.43	2.30	0.00
CNTRL OBS	8	16	12	16	16	8	7	0
SMR	0.86	1.40	1.08	1.49	1.57	0.82	0.72	0.00
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	68	80	82	101	86	82	83	17
SMR	0.79	0.75	0.76	0.92	0.76	0.73	0.75	0.77
CNTRL OBS	184	219	246	232	256	258	268	53
SMR	0.76	0.73	0.82	0.75	0.81	0.82	0.87	0.87
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	1	1	2	1	0	1	0	0
SMR	0.78	0.61	1.28	0.65	0.00	1.12	0.00	0.00
CNTRL OBS	3	5	8	3	3	0	3	1
SMR	0.84	1.09	1.81	0.69	0.81	0.00	1.64	2.87
<b>OTHER LYMPHOMA</b>								
STUDY OBS	1	3	2	4	3	5	2	0
SMR	0.43	0.95	0.58	1.08	0.80	1.41	0.55	0.00
CNTRL OBS	4	2	9	11	6	13	9	2
SMR	0.61	0.23	0.94	1.05	0.57	1.32	0.88	0.98
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	1	1	0	1	0	0	0	0
SMR	1.25	0.86	0.00	0.86	0.00	0.00	0.00	0.00
CNTRL OBS	1	2	3	0	2	4	2	1
SMR	0.45	0.62	0.86	0.00	0.56	1.07	0.54	1.37
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	25	32	30	27	17	20	18	6
SMR	0.90	1.00	1.02	0.98	0.65	0.82	0.78	1.31
CNTRL OBS	63	81	69	70	55	61	72	13
SMR	0.82	0.91	0.84	0.90	0.75	0.89	1.12	1.04
<b>STOMACH</b>								
STUDY OBS	6	8	4	4	1	1	2	3
SMR	0.89	1.17	0.74	0.91	0.26	0.31	0.69	5.18
CNTRL OBS	18	19	17	13	7	9	4	0
SMR	0.96	1.00	1.13	1.05	0.66	1.00	0.49	0.00

		YEARS BEFORE STARTUP		YEARS AFTER STARTUP			
		1964-68	1969-73	1974-78	1979-83	1984-84	
COLON & RECTUM	STUDY OBS	16	16	11	11	1	
	SHR	1.17	1.24	0.92	0.79	1.05	0.48
	CNTRL OBS	35	32	25	30	45	6
LIVER (PRIMARY)	SHR	0.91	0.89	0.74	0.94	1.53	1.06
	STUDY OBS	2	4	0	2	1	0
	SHR	0.55	1.25	0.00	1.58	0.79	0.00
TRACHEA, BRONCHUS, LUNG	CNTRL OBS	11	5	0	0	1	1
	SHR	1.08	0.56	0.00	0.00	0.28	1.42
	STUDY OBS	6	8	13	23	20	6
BREAST (FEMALE)	SHR	0.33	0.38	0.44	0.70	0.57	0.85
	CNTRL OBS	19	26	46	67	63	10
	SHR	0.38	0.45	0.55	0.73	0.65	0.52
THYROID	STUDY OBS	12	14	15	11	13	2
	SHR	0.84	0.95	0.94	0.71	0.87	0.68
	CNTRL OBS	25	35	52	34	46	7
BONES & JOINTS	SHR	0.62	0.85	1.16	0.78	1.10	0.86
	STUDY OBS	2	0	0	1	0	0
	SHR	4.64	0.00	0.00	3.90	0.00	0.00
BLADDER	CNTRL OBS	1	1	3	0	0	0
	SHR	0.83	0.97	3.84	0.00	0.00	0.00
	STUDY OBS	0	0	2	1	0	0
BRAIN & OTHER C.N.S.	SHR	0.00	0.00	4.21	2.54	0.00	0.00
	CNTRL OBS	1	0	0	2	2	0
	SHR	0.46	0.00	0.00	1.82	2.75	0.00
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	1	2	0	0	0	1
	SHR	0.52	1.19	0.00	0.00	0.00	4.42
	CNTRL OBS	4	3	2	1	1	1
	SHR	0.75	0.65	0.49	0.27	0.31	1.63
	STUDY OBS	4	4	6	3	5	0
	SHR	0.97	0.94	1.32	0.70	1.23	0.00
	CNTRL OBS	8	12	14	16	12	2
	SHR	0.69	1.00	1.10	1.34	1.05	0.89
	STUDY OBS	0	0	1	2	0	0
	SHR	0.00	0.00	0.70	1.54	0.00	0.00
	CNTRL OBS	0	0	2	2	0	0
	SHR	0.00	0.00	0.50	0.55	0.00	0.00



Age at death: 60 plus

Prairie Island 1,2 (1973)  
Goodhue, MN ; Pierce, WI

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM								
STUDY OBS	33	65	54	67	58	73	68	14
SMR	0.67	0.99	0.77	0.91	0.75	0.89	0.80	0.80
CNTRL OBS	119	173	165	165	176	214	195	50
SMR	0.93	1.02	0.91	0.84	0.84	0.95	0.84	1.05
LIVER (PRIMARY)								
STUDY OBS	15	10	21	16	2	2	6	0
SMR	1.03	0.55	1.18	1.09	0.23	0.27	0.76	0.00
CNTRL OBS	31	41	54	38	15	15	18	4
SMR	0.82	0.87	1.16	0.97	0.62	0.74	0.83	0.89
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	7	19	23	27	43	60	81	22
SMR	0.28	0.46	0.42	0.38	0.47	0.53	0.58	0.74
CNTRL OBS	32	56	65	101	142	213	260	40
SMR	0.49	0.51	0.44	0.52	0.56	0.67	0.67	0.49
BREAST (FEMALE)								
STUDY OBS	20	33	28	29	29	39	45	11
SMR	1.08	1.31	1.04	0.99	0.90	1.08	1.10	1.29
CNTRL OBS	45	69	79	81	89	109	110	19
SMR	0.94	1.07	1.14	1.04	1.02	1.11	0.99	0.82
THYROID								
STUDY OBS	3	2	2	2	2	1	0	0
SMR	2.49	1.23	1.24	1.29	1.30	0.66	0.00	0.00
CNTRL OBS	7	2	6	3	3	6	5	1
SMR	2.24	0.47	1.42	0.73	0.72	1.44	1.27	1.27
BONES & JOINTS								
STUDY OBS	1	5	0	1	1	0	0	0
SMR	0.45	2.00	0.00	0.51	0.51	0.00	0.00	0.00
CNTRL OBS	5	5	6	2	3	7	3	0
SMR	0.87	0.77	1.09	0.38	0.56	1.48	0.99	0.00
BLADDER								
STUDY OBS	7	11	9	10	24	18	19	6
SMR	0.63	0.75	0.59	0.62	1.41	1.01	1.06	1.63
CNTRL OBS	19	16	26	40	39	43	47	8
SMR	0.66	0.42	0.65	0.93	0.84	0.88	0.95	0.80
BRAIN & OTHER C.N.S.								
STUDY OBS	5	5	2	10	8	5	13	5
SMR	2.53	1.65	0.53	2.17	1.15	0.56	1.25	2.28
CNTRL OBS	9	6	11	9	12	27	24	9
SMR	1.71	0.73	1.06	0.71	0.62	1.08	0.83	1.51
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	2	5	2	1
SMR	0.00	0.00	0.00	0.00	0.46	0.95	0.77	2.54
CNTRL OBS	0	0	0	0	7	15	3	0
SMR	0.00	0.00	0.00	0.00	0.58	1.03	0.42	0.00



Age at death: all

Prairie Island 1,2 (1973)  
Goodhue, MN ; Pierce, WI

		YEARS BEFORE STARTUP		YEARS AFTER STARTUP			
		1964-68	1969-73	1974-78	1979-83	1984-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>							
STUDY	OBS	16	27	27	30	42	7
	SMR	0.99	1.19	1.09	1.10	1.43	1.15
CNTRL	OBS	44	77	65	78	92	17
	SMR	1.00	1.26	0.97	1.05	1.13	1.02
<b>ALL CANCER, EXCL LEUK</b>							
STUDY	OBS	325	422	428	465	558	129
	SMR	0.88	0.87	0.84	0.80	0.81	0.90
CNTRL	OBS	907	1141	1242	1381	1684	331
	SMR	0.92	0.89	0.91	0.86	0.89	0.85
<b>HODGKIN'S DISEASE</b>							
STUDY	OBS	3	9	7	1	4	0
	SMR	0.72	1.67	1.28	0.19	1.48	0.00
CNTRL	OBS	9	17	23	18	13	1
	SMR	0.79	1.15	1.52	1.23	1.39	0.55
<b>OTHER LYMPHOMA</b>							
STUDY	OBS	7	10	8	21	22	4
	SMR	0.88	0.84	0.57	1.16	0.94	0.81
CNTRL	OBS	18	23	40	44	79	12
	SMR	0.84	0.72	1.06	0.88	1.22	0.89
<b>MULTIPLE MYELOMA</b>							
STUDY	OBS	2	3	4	7	11	2
	SMR	0.77	0.67	0.72	0.87	1.00	0.87
CNTRL	OBS	7	9	17	36	26	6
	SMR	1.01	0.75	1.14	1.64	0.86	0.96
<b>DIGESTIVE ORGANS</b>							
STUDY	OBS	142	179	170	150	157	31
	SMR	0.94	0.95	0.90	0.81	0.82	0.78
CNTRL	OBS	395	504	493	459	525	112
	SMR	0.99	1.01	0.99	0.91	0.99	1.04
<b>STOMACH</b>							
STUDY	OBS	48	53	42	25	17	10
	SMR	1.13	1.12	1.04	0.86	0.71	2.07
CNTRL	OBS	154	140	133	89	81	11
	SMR	1.38	1.13	1.25	1.12	1.23	0.84

Age at death: all

Prairie Island 1,2 (1973)  
Goodhue, MN ; Pierce, WI

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM								
STUDY OBS	44	81	70	80	71	83	79	15
SMR	0.71	1.00	0.84	0.92	0.79	0.88	0.82	0.75
CNTRL OBS	150	209	199	202	205	245	241	56
SMR	0.92	0.99	0.90	0.86	0.83	0.94	0.91	1.04
LIVER (PRIMARY)								
STUDY OBS	20	13	25	20	2	5	7	0
SMR	1.09	0.59	1.18	1.15	0.19	0.57	0.74	0.00
CNTRL OBS	42	54	59	43	15	15	19	5
SMR	0.87	0.93	1.05	0.92	0.51	0.61	0.73	0.93
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	17	25	31	48	56	83	101	28
SMR	0.45	0.42	0.41	0.49	0.46	0.56	0.57	0.75
CNTRL OBS	51	78	91	126	189	282	325	52
SMR	0.51	0.48	0.44	0.47	0.55	0.68	0.66	0.51
BREAST (FEMALE)								
STUDY OBS	33	47	43	44	44	51	58	16
SMR	1.06	1.14	1.00	0.95	0.88	0.96	1.00	1.34
CNTRL OBS	86	98	122	124	147	147	160	28
SMR	1.03	0.89	1.06	0.99	1.08	1.01	1.01	0.86
THYROID								
STUDY OBS	4	4	2	2	2	2	0	0
SMR	2.46	1.89	0.98	1.05	1.08	1.10	0.00	0.00
CNTRL OBS	8	3	7	5	6	6	5	1
SMR	1.85	0.54	1.30	0.97	1.18	1.21	1.07	1.08
BONES & JOINTS								
STUDY OBS	2	7	1	2	3	1	1	0
SMR	0.57	1.74	0.29	0.61	0.92	0.35	0.48	0.00
CNTRL OBS	8	9	8	5	3	13	5	0
SMR	0.84	0.83	0.86	0.56	0.33	1.63	0.87	0.00
BLADDER								
STUDY OBS	10	12	11	11	24	18	19	7
SMR	0.78	0.72	0.64	0.62	1.29	0.94	0.99	1.79
CNTRL OBS	22	20	29	43	41	44	48	9
SMR	0.65	0.46	0.65	0.91	0.81	0.83	0.91	0.85
BRAIN & OTHER C.N.S.								
STUDY OBS	11	10	9	16	18	11	22	5
SMR	1.50	1.01	0.83	1.43	1.28	0.70	1.30	1.42
CNTRL OBS	20	24	31	32	32	47	45	12
SMR	0.98	0.86	1.02	1.02	0.82	1.07	0.95	1.25
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	3	7	2	1
SMR	0.00	0.00	0.00	0.00	0.45	0.95	0.59	2.01
CNTRL OBS	0	0	0	0	11	18	4	0
SMR	0.00	0.00	0.00	0.00	0.60	0.88	0.43	0.00



Arkansas 1,2 (1974)  
Pope, AR

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM	STUDY OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL	1	0	0	0	0	0	0	
LIVER (PRIMARY)	STUDY OBS	37.02	0.00	0.00	0.00	0.00	0.00	0.00	
	SMR								
	CNTRL								
TRACHEA, BRONCHUS, LUNG	STUDY OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL	0	0	0	0	1	0	0	
BREAST (FEMALE)	STUDY OBS	0.00	0.00	0.00	0.00	12.99	0.00	0.00	
	SMR								
	CNTRL								
THYROID	STUDY OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL	0	0	0	0	0	0	0	
BONES & JOINTS	STUDY OBS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SMR								
	CNTRL								
BLADDER	STUDY OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL	0	0	1	0	0	0	0	
BRAIN & OTHER C.N.S.	STUDY OBS	0.00	0.00	11.65	0.00	0.00	0.00	0.00	
	SMR								
	CNTRL								
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL	0	0	0	0	0	0	0	
	STUDY OBS	1	0	0	1	0	0	1	
	SMR	2.31	0.00	0.00	2.91	0.00	0.00	3.42	
	CNTRL	2	1	2	2	0	0	0	
	STUDY OBS	1.65	0.86	1.79	2.19	0.00	0.00	0.00	
	SMR								
	CNTRL								







Age at death: 20 to 39

Arkansas 1,2 (1974)  
Pope, AR

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	0	1	0	1	0	1	1	1
	SMR	0.00	1.62	0.00	1.42	0.00	1.01	0.89	0.89
CNTRL	OBS	1	1	0	2	2	1	0	0
	SMR	0.54	0.60	0.00	1.15	0.95	0.38	0.00	0.00
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	6	9	7	2	8	7	15	15
	SMR	0.98	1.72	1.38	0.35	1.18	0.96	1.79	1.79
CNTRL	OBS	12	17	11	23	16	27	29	29
	SMR	0.71	1.16	0.79	1.56	0.96	1.39	1.25	1.25
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	0	1	0	0	0	1	0	0
	SMR	0.00	2.03	0.00	0.00	0.00	1.88	0.00	0.00
CNTRL	OBS	0	1	1	4	1	4	1	1
	SMR	0.00	0.76	0.74	2.59	0.63	2.85	0.73	0.73
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	0	1	2	0	0	0	2	2
	SMR	0.00	3.50	6.54	0.00	0.00	0.00	3.32	3.32
CNTRL	OBS	0	0	0	3	2	1	3	3
	SMR	0.00	0.00	0.00	3.36	1.90	0.78	1.82	1.82
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	1	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	12.28	0.00	0.00
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	1	0	0	1	2	2	2	2
	SMR	0.86	0.00	0.00	1.18	2.08	1.94	1.71	1.71
CNTRL	OBS	5	7	0	1	3	5	2	2
	SMR	1.54	2.70	0.00	0.46	1.26	1.80	0.62	0.62
<b>STOMACH</b>									
STUDY	OBS	0	0	0	0	0	1	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	6.20	0.00	0.00
CNTRL	OBS	1	2	0	0	0	0	0	0
	SMR	1.34	3.57	0.00	0.00	0.00	0.00	0.00	0.00



Age at death: 40 to 59

Arkansas 1,2 (1974)  
Pope, AR

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	3	2	2	1	4	4	2	
SMR	1.91	1.28	1.26	0.59	2.18	2.02	0.96	
CNTRL OBS	5	2	4	3	2	5	5	
SMR	1.11	0.43	0.86	0.63	0.41	0.92	0.83	
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	31	38	36	52	64	50	71	
SMR	0.74	0.91	0.82	1.04	1.09	0.79	1.08	
CNTRL OBS	81	96	131	123	160	186	185	
SMR	0.68	0.77	1.01	0.86	1.01	1.05	0.96	
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	1	1	0	0	1	0	0	
SMR	1.67	1.62	0.00	0.00	1.53	0.00	0.00	
CNTRL OBS	0	3	1	3	2	4	0	
SMR	0.00	1.64	0.55	1.55	1.17	3.23	0.00	
<b>OTHER LYMPHOMA</b>								
STUDY OBS	0	1	1	3	0	0	2	
SMR	0.00	0.82	0.72	1.79	0.00	0.00	0.92	
CNTRL OBS	0	1	2	4	4	7	8	
SMR	0.00	0.28	0.49	0.85	0.79	1.30	1.28	
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	0	1	0	1	2	1	
SMR	0.00	0.00	1.91	0.00	1.49	2.59	1.25	
CNTRL OBS	1	1	2	2	2	3	2	
SMR	0.91	0.71	1.28	1.33	1.09	1.37	0.84	
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	9	9	6	8	18	8	11	
SMR	0.68	0.74	0.51	0.65	1.34	0.58	0.81	
CNTRL OBS	22	28	26	30	28	33	32	
SMR	0.58	0.78	0.74	0.85	0.77	0.86	0.80	
<b>STOMACH</b>								
STUDY OBS	4	5	5	6	3	0	2	
SMR	1.23	1.98	2.35	3.11	1.56	0.00	1.16	
CNTRL OBS	5	6	7	6	2	6	6	
SMR	0.53	0.79	1.09	1.08	0.38	1.20	1.19	



Age at death: 60 plus

Arkansas 1,2 (1974)  
Pope, AR

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	1	4	4	6	10	9	8	
	SMR	0.29	0.85	0.70	0.89	1.31	0.98	0.73	
CNTRL	OBS	8	16	20	20	23	33	33	
	SMR	0.80	1.18	1.19	0.98	1.00	1.23	1.04	
ALL CANCER, EXCL LEUK									
STUDY	OBS	96	95	122	124	176	192	251	
	SMR	0.89	0.76	0.86	0.77	0.92	0.80	0.86	
CNTRL	OBS	217	239	336	378	490	621	810	
	SMR	0.70	0.66	0.80	0.77	0.84	0.88	0.96	
HODGKIN'S DISEASE									
STUDY	OBS	0	0	2	0	1	1	0	
	SMR	0.00	0.00	2.25	0.00	0.96	1.15	0.00	
CNTRL	OBS	1	1	6	4	0	3	6	
	SMR	0.51	0.42	2.27	1.33	0.00	1.18	2.55	
OTHER LYMPHOMA									
STUDY	OBS	1	1	5	2	3	6	8	
	SMR	0.54	0.38	1.47	0.45	0.54	0.85	0.83	
CNTRL	OBS	3	4	10	10	16	17	30	
	SMR	0.57	0.53	0.99	0.75	0.96	0.82	1.09	
MULTIPLE MYELOMA									
STUDY	OBS	2	0	1	1	3	5	3	
	SMR	2.73	0.00	0.61	0.46	1.01	1.25	0.59	
CNTRL	OBS	1	6	4	8	12	11	12	
	SMR	0.48	1.66	0.82	1.20	1.33	0.92	0.81	
DIGESTIVE ORGANS									
STUDY	OBS	39	43	37	49	55	53	75	
	SMR	0.81	0.82	0.66	0.82	0.86	0.71	0.89	
CNTRL	OBS	88	79	113	123	135	165	188	
	SMR	0.63	0.52	0.68	0.68	0.69	0.75	0.77	
STOMACH									
STUDY	OBS	12	12	18	14	11	11	9	
	SMR	0.85	0.91	1.48	1.31	1.11	1.09	0.88	
CNTRL	OBS	28	27	24	23	18	25	26	
	SMR	0.69	0.70	0.67	0.70	0.59	0.84	0.87	

Age at death: 60 plus

Arkansas 1,2 (1974)  
Pope, AR

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
<b>COLON &amp; RECTUM</b>							
STUDY OBS	13	16	10	19	28	23	38
SMR	0.67	0.72	0.40	0.68	0.88	0.61	0.90
CNTRL OBS	34	29	38	50	69	78	89
SMR	0.61	0.45	0.51	0.59	0.72	0.70	0.73
<b>LIVER (PRIMARY)</b>							
STUDY OBS	3	6	3	5	0	3	3
SMR	0.51	0.98	0.47	0.95	0.00	0.88	0.73
CNTRL OBS	15	6	17	12	3	12	8
SMR	0.89	0.34	0.90	0.75	0.31	1.18	0.66
<b>TRACHEA, BRONCHUS, LUNG</b>							
STUDY OBS	11	13	22	18	31	66	72
SMR	1.10	0.87	1.06	0.62	0.77	1.16	0.94
CNTRL OBS	19	21	48	60	130	181	230
SMR	0.66	0.48	0.77	0.68	1.06	1.07	1.04
<b>BREAST (FEMALE)</b>							
STUDY OBS	6	5	4	8	17	12	14
SMR	0.80	0.58	0.41	0.68	1.19	0.69	0.64
CNTRL OBS	11	13	14	16	31	53	44
SMR	0.52	0.52	0.48	0.46	0.73	1.04	0.71
<b>THYROID</b>							
STUDY OBS	1	0	1	0	0	0	0
SMR	2.05	0.00	1.73	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	1	1	4	1	3
SMR	0.00	0.61	0.58	0.57	2.08	0.49	1.47
<b>BONES &amp; JOINTS</b>							
STUDY OBS	0	1	1	1	0	0	1
SMR	0.00	1.22	1.38	1.34	0.00	0.00	2.10
CNTRL OBS	2	1	2	1	2	1	3
SMR	0.79	0.42	0.93	0.44	0.82	0.45	2.18
<b>BLADDER</b>							
STUDY OBS	4	4	1	4	6	3	6
SMR	0.93	0.80	0.18	0.67	0.87	0.37	0.70
CNTRL OBS	9	14	9	10	21	12	20
SMR	0.73	0.97	0.56	0.55	1.01	0.51	0.81
<b>BRAIN &amp; OTHER C.N.S.</b>							
STUDY OBS	0	1	0	1	2	3	3
SMR	0.00	0.92	0.00	0.52	0.61	0.66	0.53
CNTRL OBS	2	0	2	8	7	15	27
SMR	0.86	0.00	0.46	1.40	0.71	1.12	1.67
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>							
STUDY OBS	0	0	0	0	2	4	0
SMR	0.00	0.00	0.00	0.00	0.87	1.66	0.00
CNTRL OBS	0	0	0	0	5	9	4
SMR	0.00	0.00	0.00	0.00	0.72	1.27	1.41



Age at death: all

Arkansas 1,2 (1974)  
Pope, AR

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
LEUKEMIA & ALEUKEMIA								
	STUDY OBS	6	11	9	16	15	13	
	SMR	0.82	1.32	1.18	0.85	1.35	0.85	
	CNTRL OBS	16	23	27	30	29	39	
SMR	0.78	0.96	1.00	0.97	0.86	1.18	0.89	
ALL CANCER, EXCL LEUK								
	STUDY OBS	134	142	166	181	249	339	
	SMR	0.85	0.82	0.86	0.82	0.96	0.92	
	CNTRL OBS	316	359	483	527	669	1028	
SMR	0.70	0.71	0.85	0.80	0.88	0.92	0.97	
HODGKIN'S DISEASE								
	STUDY OBS	1	2	2	1	2	0	
	SMR	0.51	0.98	0.92	0.41	0.81	1.04	0.00
	CNTRL OBS	1	6	8	11	3	11	7
SMR	0.18	1.02	1.29	1.60	0.45	2.04	1.41	
OTHER LYMPHOMA								
	STUDY OBS	1	3	8	5	3	6	12
	SMR	0.28	0.68	1.49	0.74	0.37	0.62	0.95
	CNTRL OBS	4	5	13	17	22	25	43
SMR	0.40	0.39	0.83	0.86	0.94	0.89	1.19	
MULTIPLE MYELOMA								
	STUDY OBS	2	0	2	1	4	7	4
	SMR	1.75	0.00	0.91	0.37	1.09	1.45	0.67
	CNTRL OBS	2	7	6	10	14	15	14
SMR	0.61	1.38	0.92	1.22	1.28	1.06	0.81	
DIGESTIVE ORGANS								
	STUDY OBS	49	52	43	58	75	63	88
	SMR	0.78	0.79	0.62	0.80	0.95	0.70	0.89
	CNTRL OBS	117	114	139	154	167	203	222
SMR	0.65	0.59	0.68	0.70	0.72	0.78	0.77	
STOMACH								
	STUDY OBS	16	17	23	20	14	12	11
	SMR	0.91	1.06	1.59	1.57	1.17	1.00	0.91
	CNTRL OBS	34	35	31	29	20	31	32
SMR	0.67	0.75	0.72	0.75	0.56	0.88	0.90	

Age at death: all

Arkansas 1,2 (1974)  
Pope, AR

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM	STUDY								
	OBS	17	18	10	20	35	28	42	
	SMR	0.66	0.64	0.33	0.59	0.91	0.63	0.86	
	CNTRL	48	44	47	62	81	93	101	
LIVER (PRIMARY)	STUDY								
	OBS	5	7	3	6	1	3	3	
	SMR	0.65	0.92	0.39	0.93	0.25	0.70	0.59	
	CNTRL	20	9	21	14	4	15	13	
TRACHEA, BRONCHUS, LUNG	STUDY								
	OBS	0.91	0.41	0.91	0.72	0.34	1.19	0.87	
	SMR								
	CNTRL	13	18	28	27	55	92	101	
BREAST (FEMALE)	STUDY								
	OBS	0.81	0.82	0.95	0.66	0.97	1.20	1.03	
	SMR	27	29	71	96	174	243	295	
	CNTRL	0.59	0.44	0.80	0.79	1.04	1.09	1.04	
THYROID	STUDY								
	OBS	11	9	10	16	27	18	27	
	SMR	0.79	0.59	0.59	0.81	1.15	0.66	0.84	
	CNTRL	20	30	42	32	48	71	66	
BONES & JOINTS	STUDY								
	OBS	0.51	0.68	0.85	0.56	0.71	0.90	0.71	
	SMR								
	CNTRL	1	1	1	0	0	0	0	
BLADDER	STUDY								
	OBS	1.44	1.34	1.34	0.00	0.00	0.00	0.00	
	SMR	0	2	1	1	5	2	4	
	CNTRL	0.00	0.92	0.45	0.45	2.13	0.81	1.62	
BRAIN & OTHER C.N.S.	STUDY								
	OBS	0	2	1	2	0	0	2	
	SMR	0.00	1.39	0.78	1.50	0.00	0.00	1.99	
	CNTRL	2	5	6	2	3	2	3	
BENIGN & UNSPEC NEOPLASMS	STUDY								
	OBS	0.44	1.21	1.62	0.52	0.73	0.51	1.05	
	SMR								
	CNTRL	5	4	1	4	6	3	7	
	STUDY								
	OBS	0.97	0.70	0.16	0.60	0.79	0.34	0.76	
	SMR	9	14	12	13	22	13	20	
	CNTRL	0.60	0.84	0.66	0.64	0.96	0.51	0.75	
	STUDY								
	OBS	2	4	0	5	4	5	6	
	SMR	0.57	1.06	0.00	1.05	0.57	0.61	0.64	
	CNTRL	11	5	10	14	19	22	49	
	STUDY								
	OBS	1.12	0.46	0.80	1.03	0.98	0.94	1.83	
	SMR								
	CNTRL	0	0	0	0	2	6	0	
	STUDY								
	OBS	0.00	0.00	0.00	0.00	0.53	1.71	0.00	
	SMR	0	0	0	0	5	10	5	
	CNTRL	0.00	0.00	0.00	0.00	0.46	0.99	1.35	











Age at death: 20 to 39

Calvert Cliff# 1,2 (1974)  
Calvert, MD

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	2	1	1	0	1	0	0	
	SMR	5.39	2.48	2.44	0.00	1.76	0.00	0.00	
CNTRL	OBS	2	2	1	3	3	5	5	
	SMR	0.92	0.89	0.47	1.43	1.33	1.93	1.73	
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	5	3	5	3	7	5	9	
	SMR	1.30	0.74	1.18	0.69	1.41	0.73	0.96	
CNTRL	OBS	25	21	31	21	16	20	25	
	SMR	1.14	0.97	1.47	1.05	0.82	0.99	1.11	
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	0	1	0	0	2	0	1	
	SMR	0.00	3.51	0.00	0.00	5.09	0.00	2.11	
CNTRL	OBS	1	1	3	2	1	0	2	
	SMR	0.62	0.60	1.75	1.17	0.62	0.00	1.65	
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	1	0	0	0	0	0	2	
	SMR	5.53	0.00	0.00	0.00	0.00	0.00	3.18	
CNTRL	OBS	0	1	0	0	0	0	2	
	SMR	0.00	0.96	0.00	0.00	0.00	0.00	1.29	
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL	OBS	0	1	0	0	0	0	0	
	SMR	0.00	8.76	0.00	0.00	0.00	0.00	0.00	
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	2	0	0	1	1	0	1	
	SMR	2.53	0.00	0.00	1.33	1.22	0.00	0.68	
CNTRL	OBS	7	4	7	2	5	1	4	
	SMR	1.60	0.99	1.87	0.61	1.62	0.31	1.15	
<b>STOMACH</b>									
STUDY	OBS	1	0	0	0	0	0	0	
	SMR	4.93	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL	OBS	0	2	1	1	0	0	2	
	SMR	0.00	2.11	1.19	1.54	0.00	0.00	3.28	

Age at death: 20 to 39

Calvert Cliffs 1,2 (1974)

Calvert, MD

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM	STUDY OBS	0	0	0	1	1	0	1	
	SMR	0.00	0.00	0.00	3.00	2.64	0.00	1.48	
	CNTRL OBS	2	1	4	1	3	0	1	
	SMR	0.98	0.53	2.39	0.66	2.08	0.00	0.63	
LIVER (PRIMARY)	STUDY OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL OBS	3	1	0	0	0	1	0	
	SMR	5.76	2.21	0.00	0.00	0.00	2.87	0.00	
TRACHEA, BRONCHUS, LUNG	STUDY OBS	0	0	1	0	1	0	1	
	SMR	0.00	0.00	2.78	0.00	1.90	0.00	1.07	
	CNTRL OBS	2	2	4	2	1	2	1	
	SMR	1.66	1.35	2.24	1.02	0.50	0.98	0.47	
BREAST (FEMALE)	STUDY OBS	0	1	1	0	2	1	2	
	SMR	0.00	1.85	1.66	0.00	2.81	0.97	1.23	
	CNTRL OBS	3	2	4	4	3	5	3	
	SMR	1.03	0.67	1.32	1.42	1.06	1.65	0.79	
THYROID	STUDY OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BONES & JOINTS	STUDY OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL OBS	1	1	0	0	0	0	0	
	SMR	2.38	2.67	0.00	0.00	0.00	0.00	0.00	
BLADDER	STUDY OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BRAIN & OTHER C.N.S.	STUDY OBS	0	0	1	0	1	0	1	
	SMR	0.00	0.00	3.21	0.00	2.24	0.00	1.21	
	CNTRL OBS	3	0	1	2	3	2	0	
	SMR	1.85	0.00	0.60	1.37	1.68	1.10	0.00	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	1	1	1	
	SMR	0.00	0.00	0.00	0.00	4.50	4.86	12.45	
	CNTRL OBS	0	0	0	0	6	1	0	
	SMR	0.00	0.00	0.00	0.00	7.13	1.61	0.00	

Age at death: 40 to 59

Calvert Cliffs 1,2 (1974)  
Calvert, MD

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
LEUKEMIA & ALEUKEMIA	STUDY OBS	0	1	0	0	0	0	3
	SMR	0.00	1.14	0.00	0.00	0.00	0.00	1.55
	CNTRL OBS	3	6	6	5	4	7	7
	SMR	0.59	1.10	1.06	0.84	0.68	1.15	1.13
ALL CANCER, EXCL LEUK	STUDY OBS	23	20	19	54	45	56	77
	SMR	1.02	0.77	0.62	1.43	0.98	0.99	1.18
	CNTRL OBS	126	147	157	210	237	224	265
	SMR	0.86	0.94	0.93	1.12	1.16	1.05	1.24
HODGKIN'S DISEASE	STUDY OBS	0	0	0	0	2	0	2
	SMR	0.00	0.00	0.00	0.00	4.52	0.00	5.88
	CNTRL OBS	3	2	3	3	5	1	0
	SMR	1.55	0.95	1.35	1.27	2.47	0.74	0.00
OTHER LYMPHOMA	STUDY OBS	0	1	0	1	0	3	0
	SMR	0.00	1.50	0.00	0.94	0.00	1.96	0.00
	CNTRL OBS	4	5	8	3	12	9	7
	SMR	1.16	1.20	1.68	0.54	2.05	1.56	1.14
MULTIPLE MYELOMA	STUDY OBS	0	0	0	1	2	0	2
	SMR	0.00	0.00	0.00	2.09	3.25	0.00	2.22
	CNTRL OBS	3	1	1	3	2	2	5
	SMR	2.14	0.52	0.45	1.34	0.75	0.68	1.67
DIGESTIVE ORGANS	STUDY OBS	12	5	4	11	15	15	20
	SMR	1.57	0.62	0.45	1.09	1.35	1.16	1.40
	CNTRL OBS	36	42	47	49	50	40	55
	SMR	0.75	0.89	0.99	1.01	1.03	0.82	1.17
STOMACH	STUDY OBS	5	1	1	2	4	2	2
	SMR	2.25	0.50	0.54	1.09	2.24	1.09	1.05
	CNTRL OBS	6	10	9	8	4	6	10
	SMR	0.46	0.90	0.94	0.94	0.53	0.89	1.62

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM	STUDY OBS	6	2	1	3	5	6	11	
	SMR	2.25	0.69	0.31	0.79	1.13	1.12	1.89	
	CNTRL OBS	20	13	12	21	24	17	21	
LIVER (PRIMARY)	STUDY OBS	1.10	0.72	0.65	1.08	1.19	0.84	1.09	
	SMR								
	CNTRL OBS	0	1	0	2	1	2	0	
TRACHEA, BRONCHUS, LUNG	STUDY OBS	0.00	1.03	0.00	2.02	1.41	2.60	0.00	
	SMR								
	CNTRL OBS	4	6	4	3	0	1	3	
BREAST (FEMALE)	STUDY OBS	0.65	1.08	0.75	0.65	0.00	0.35	1.00	
	SMR								
	CNTRL OBS	1	3	5	11	11	21	27	
THYROID	STUDY OBS	0.34	0.71	0.85	1.28	0.89	1.24	1.32	
	SMR								
	CNTRL OBS	15	24	35	49	65	68	84	
BONES & JOINTS	STUDY OBS	0.80	0.97	1.10	1.16	1.20	1.08	1.25	
	SMR								
	CNTRL OBS	3	3	4	8	5	8	5	
BLADDER	STUDY OBS	1.21	1.00	1.08	1.67	0.86	1.12	0.61	
	SMR								
	CNTRL OBS	15	14	25	25	27	29	30	
BRAIN & OTHER C.N.S.	STUDY OBS	0.82	0.69	1.13	0.99	0.99	1.04	1.10	
	SMR								
	CNTRL OBS	0	0	0	0	0	1	0	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	0.00	0.00	0.00	0.00	8.16	0.00	
	SMR								
	CNTRL OBS	0	0	1	0	1	0	0	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	0.00	1.82	0.00	2.15	0.00	0.00	
	SMR								
	CNTRL OBS	0	0	1	1	1	0	0	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	0.00	6.00	6.00	5.21	0.00	0.00	
	SMR								
	CNTRL OBS	1	2	2	0	0	0	0	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.83	1.84	2.18	0.00	0.00	0.00	0.00	
	SMR								
	CNTRL OBS	0	0	1	3	1	1	2	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	0.00	1.93	5.43	1.71	1.60	3.25	
	SMR								
	CNTRL OBS	2	2	1	0	2	4	4	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.66	0.71	0.37	0.00	0.78	1.69	1.94	
	SMR								
	CNTRL OBS	0	1	0	1	0	1	0	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	1.30	0.00	0.93	0.00	0.55	0.00	
	SMR								
	CNTRL OBS	5	4	5	6	8	9	6	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	1.15	0.79	0.89	1.05	1.11	1.32	0.92	
	SMR								
	CNTRL OBS	0	0	0	0	0	0	1	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	0.00	0.00	0.00	0.00	0.00	4.83	
	SMR								
	CNTRL OBS	0	0	0	0	6	2	0	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	0.00	0.00	0.00	1.81	0.87	0.00	
	SMR								
	CNTRL OBS	0	0	0	0	0	0	0	

Age at death: 60 plus

Calvert Cliffs 1,2 (1974)  
Calvert, MD

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	0	0	2	4	6	7	6	
SMR	0.00	0.00	0.75	1.15	1.41	1.32	0.89	
CNTRL OBS	5	7	16	21	21	29	27	
SMR	0.49	0.50	0.95	1.07	0.97	1.17	0.92	
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	48	61	79	88	128	191	208	
SMR	1.01	1.04	1.09	0.95	1.08	1.25	1.07	
CNTRL OBS	366	353	431	488	621	768	950	
SMR	1.08	0.89	0.96	0.96	1.07	1.11	1.14	
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	0	1	0	0	0	1	
SMR	0.00	0.00	2.36	0.00	0.00	0.00	1.95	
CNTRL OBS	3	2	2	0	3	3	2	
SMR	1.48	0.82	0.75	0.00	1.03	1.28	0.93	
<b>OTHER LYMPHOMA</b>								
STUDY OBS	0	0	2	2	2	4	5	
SMR	0.00	0.00	1.26	0.87	0.65	0.98	0.87	
CNTRL OBS	6	10	9	16	21	22	39	
SMR	1.11	1.27	0.89	1.24	1.35	1.16	1.56	
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	0	1	0	1	2	4	
SMR	0.00	0.00	1.11	0.00	0.49	0.71	1.07	
CNTRL OBS	6	6	5	12	10	13	25	
SMR	2.60	1.47	0.91	1.65	1.02	1.02	1.55	
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	24	28	35	32	40	60	55	
SMR	1.13	1.13	1.21	0.95	1.02	1.27	0.98	
CNTRL OBS	157	131	150	140	180	197	256	
SMR	1.03	0.78	0.83	0.74	0.92	0.90	1.04	
<b>STOMACH</b>								
STUDY OBS	10	13	14	7	11	4	7	
SMR	1.49	1.94	2.06	1.05	1.66	0.58	0.94	
CNTRL OBS	47	34	31	28	29	24	34	
SMR	1.02	0.77	0.75	0.78	0.89	0.75	1.06	

Age at death: 60 plus

Calvert Cliffs 1,2 (1974)  
Calvert, MD

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM	STUDY OBS	8	9	14	16	18	29	25	
	SMR	0.99	0.91	1.16	1.08	0.99	1.29	0.93	
	CNTRL OBS	55	45	64	64	95	112	134	
	SMR	0.92	0.65	0.83	0.76	1.01	1.05	1.14	
LIVER (PRIMARY)	STUDY OBS	5	0	3	3	2	4	2	
	SMR	1.95	0.00	0.93	0.98	0.95	1.68	0.66	
	CNTRL OBS	32	23	11	5	9	9	11	
	SMR	1.71	1.17	0.54	0.29	0.88	0.83	0.86	
TRACHEA, BRONCHUS, LUNG	STUDY OBS	5	8	15	14	30	51	63	
	SMR	1.19	1.17	1.39	0.82	1.16	1.37	1.20	
	CNTRL OBS	33	50	77	114	157	196	260	
	SMR	1.12	1.11	1.21	1.30	1.32	1.22	1.22	
BREAST (FEMALE)	STUDY OBS	4	2	3	8	5	14	10	
	SMR	1.27	0.52	0.63	1.31	0.62	1.31	0.73	
	CNTRL OBS	35	27	26	19	40	56	71	
	SMR	1.40	0.93	0.79	0.51	0.91	1.08	1.13	
THYROID	STUDY OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL OBS	3	3	3	1	0	1	1	
	SMR	1.94	1.66	1.60	0.54	0.00	0.50	0.50	
BONES & JOINTS	STUDY OBS	1	0	0	0	2	1	0	
	SMR	2.63	0.00	0.00	0.00	4.14	2.14	0.00	
	CNTRL OBS	4	0	3	1	1	2	2	
	SMR	1.49	0.00	1.32	0.44	0.42	0.92	1.53	
BLADDER	STUDY OBS	2	3	3	7	5	8	9	
	SMR	1.09	1.36	1.14	2.17	1.28	1.73	1.73	
	CNTRL OBS	10	15	16	20	15	22	25	
	SMR	0.77	1.01	0.98	1.13	0.77	1.02	1.10	
BRAIN & OTHER C.N.S.	STUDY OBS	0	0	2	0	2	3	4	
	SMR	0.00	0.00	2.94	0.00	1.03	1.07	1.12	
	CNTRL OBS	2	3	2	2	7	10	12	
	SMR	0.86	0.94	0.47	0.37	0.75	0.81	0.81	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	0	1	2	
	SMR	0.00	0.00	0.00	0.00	0.00	0.66	2.92	
	CNTRL OBS	0	0	0	0	11	8	4	
	SMR	0.00	0.00	0.00	0.00	1.54	1.13	1.31	



Table 2-C.18

Age at death: all		Calvert Cliffs 1,2 (1974) Calvert, MD							
		YEARS BEFORE STARTUP		1970-74	YEARS AFTER STARTUP		1975-79	1980-84	
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	2	5	5	5	9	9	9	
	SHR	0.60	1.18	0.97	0.81	1.25	1.02	0.83	
CNTRL	OBS	11	18	28	34	34	42	40	
	SHR	0.52	0.70	0.96	1.07	1.01	1.15	0.98	
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	77	85	105	146	183	254	295	
	SHR	1.02	0.94	0.96	1.07	1.07	1.17	1.09	
CNTRL	OBS	522	524	622	727	880	1015	1243	
	SHR	1.02	0.90	0.96	1.01	1.08	1.09	1.16	
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	0	1	1	0	4	1	4	
	SHR	0.00	0.96	0.82	0.00	2.66	0.73	2.87	
CNTRL	OBS	7	5	8	6	9	4	4	
	SHR	1.19	0.77	1.14	0.82	1.32	0.77	0.88	
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	1	1	2	3	2	8	7	
	SHR	0.64	0.46	0.70	0.78	0.41	1.28	0.82	
CNTRL	OBS	10	17	18	20	33	31	50	
	SHR	0.95	1.22	1.06	0.98	1.42	1.17	1.51	
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	0	0	1	1	3	2	6	
	SHR	0.00	0.00	0.74	0.54	1.13	0.55	1.28	
CNTRL	OBS	9	8	6	15	12	15	30	
	SHR	2.36	1.31	0.77	1.56	0.95	0.95	1.56	
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	38	33	39	44	58	75	76	
	SHR	1.27	0.98	1.01	0.98	1.13	1.22	1.05	
CNTRL	OBS	200	177	204	192	235	239	315	
	SHR	0.97	0.81	0.88	0.80	0.94	0.88	1.07	
<b>STOMACH</b>									
STUDY	OBS	16	14	15	9	15	6	9	
	SHR	1.75	1.57	1.69	1.04	1.75	0.67	0.94	
CNTRL	OBS	53	46	41	37	33	30	46	
	SHR	0.88	0.82	0.80	0.82	0.81	0.77	1.18	

Age at death: all

Calvert Cliffs 1,2 (1974)  
Calvert, MD

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM	STUDY OBS	14	11	15	20	24	35	37	
	SMR	1.25	0.84	0.96	1.05	1.04	1.23	1.11	
	CNTRL OBS	77	59	80	86	122	129	156	
	SMR	0.96	0.66	0.82	0.81	1.06	1.00	1.12	
LIVER (PRIMARY)	STUDY OBS	5	1	3	5	4	6	2	
	SMR	1.36	0.25	0.69	1.20	1.36	1.81	0.48	
	CNTRL OBS	39	30	15	9	9	12	14	
	SMR	1.53	1.16	0.57	0.41	0.66	0.85	0.86	
TRACHEA, BRONCHUS, LUNG	STUDY OBS	6	11	21	26	42	72	91	
	SMR	0.81	0.97	1.23	0.99	1.09	1.31	1.23	
	CNTRL OBS	50	76	116	165	223	266	345	
	SMR	1.01	1.07	1.19	1.25	1.27	1.18	1.22	
BREAST (FEMALE)	STUDY OBS	7	6	8	16	12	23	17	
	SMR	1.15	0.81	0.88	1.39	0.82	1.22	0.72	
	CNTRL OBS	53	43	55	48	70	90	104	
	SMR	1.15	0.82	0.95	0.73	0.95	1.09	1.11	
THYROID	STUDY OBS	0	0	0	0	0	1	0	
	SMR	0.00	0.00	0.00	0.00	0.00	1.80	0.00	
	CNTRL OBS	3	3	4	1	1	1	1	
	SMR	1.33	1.21	1.60	0.41	0.40	0.40	0.41	
BONES & JOINTS	STUDY OBS	2	0	2	1	4	1	0	
	SMR	2.64	0.00	2.67	1.20	4.21	1.02	0.00	
	CNTRL OBS	6	3	6	1	2	3	2	
	SMR	1.24	0.65	1.45	0.24	0.47	0.77	0.76	
BLADDER	STUDY OBS	2	3	4	10	6	9	11	
	SMR	0.84	1.10	1.26	2.63	1.33	1.71	1.88	
	CNTRL OBS	12	17	17	20	17	26	29	
	SMR	0.74	0.95	0.89	0.97	0.77	1.08	1.17	
BRAIN & OTHER C.N.S.	STUDY OBS	0	1	3	1	3	4	5	
	SMR	0.00	0.50	1.20	0.35	0.67	0.70	0.71	
	CNTRL OBS	13	8	9	11	18	21	18	
	SMR	1.31	0.67	0.65	0.77	0.90	0.94	0.73	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	1	2	4	
	SMR	0.00	0.00	0.00	0.00	0.38	0.79	3.93	
	CNTRL OBS	0	0	0	0	23	12	4	
	SMR	0.00	0.00	0.00	0.00	1.91	1.14	0.99	



Cooper Station (1974)

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
COLON & RECTUM	STUDY							
	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)	STUDY							
	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG	STUDY							
	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)	STUDY							
	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID	STUDY							
	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS	STUDY							
	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	1	0	0	0	0	0
	SMR	0.00	4.94	0.00	0.00	0.00	0.00	0.00
BLADDER	STUDY							
	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.	STUDY							
	OBS	1	1	0	0	0	0	0
	SMR	1.48	1.64	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	1	3	3	2	1	0	0
	SMR	0.46	1.35	1.45	1.38	0.95	0.00	0.00
BENIGN & UNSPEC NEOPLASMS	STUDY							
	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	1
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	10.09







Age at death: 20 to 39

		Cooper Station (1974) Atchison, MO ; Nemaha, NE ; Richardson, NE							
		YEARS BEFORE STARTUP		YEARS AFTER STARTUP					
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	1	0	1	1	0	0	2	
	SHR	0.92	0.00	1.42	1.50	0.00	0.00	3.00	
	CNTRL	6	4	3	1	3	2	3	
CNTRL	OBS	1.75	1.29	1.11	0.39	1.12	0.71	1.03	
	SHR								
	CNTRL								
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	17	8	7	7	4	5	5	
	SHR	1.74	1.04	1.11	1.24	0.76	1.03	0.99	
	CNTRL	33	24	18	23	17	19	14	
CNTRL	OBS	1.08	0.90	0.75	1.05	0.81	0.94	0.66	
	SHR								
	CNTRL								
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	1	0	1	0	0	1	2	
	SHR	1.18	0.00	1.63	0.00	0.00	2.75	6.70	
	CNTRL	5	2	4	3	1	2	1	
CNTRL	OBS	1.86	0.80	1.69	1.31	0.49	1.33	0.77	
	SHR								
	CNTRL								
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	3	0	0	1	1	1	0	
	SHR	5.85	0.00	0.00	2.89	2.92	3.03	0.00	
	CNTRL	1	0	1	3	0	0	1	
CNTRL	OBS	0.62	0.00	0.71	2.26	0.00	0.00	0.65	
	SHR								
	CNTRL								
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	0	0	0	0	0	0	0	
	SHR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL	0	0	0	0	0	0	0	
CNTRL	OBS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SHR								
	CNTRL								
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	2	1	3	2	3	2	0	
	SHR	1.07	0.74	3.01	2.40	4.02	2.91	0.00	
	CNTRL	9	4	3	0	3	6	3	
CNTRL	OBS	1.54	0.85	0.79	0.00	1.02	2.14	1.04	
	SHR								
	CNTRL								
<b>STOMACH</b>									
STUDY	OBS	0	0	0	0	0	0	0	
	SHR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL	1	1	0	0	0	0	0	
CNTRL	OBS	0.75	1.00	0.00	0.00	0.00	0.00	0.00	
	SHR								
	CNTRL								





Cooper Station (1974)  
Atchison, MO ; Nemaha, NE ; Richardson, NE

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>COLON &amp; RECTUM</b>								
STUDY OBS	12	13	6	10	10	6	5	
SMR	1.16	1.45	0.76	1.35	1.48	1.05	1.05	
CNTRL OBS	28	25	20	29	18	18	26	
SMR	0.80	0.81	0.72	1.11	0.73	0.81	1.31	
<b>LIVER (PRIMARY)</b>								
STUDY OBS	1	1	1	1	1	0	0	
SMR	0.33	0.43	0.51	0.70	1.27	0.00	0.00	
CNTRL OBS	10	7	6	2	5	1	5	
SMR	0.96	0.87	0.88	0.40	1.74	0.41	2.06	
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	8	3	9	9	9	18	19	
SMR	0.75	0.25	0.69	0.60	0.53	1.07	1.18	
CNTRL OBS	19	21	29	34	48	53	47	
SMR	0.53	0.51	0.63	0.63	0.77	0.81	0.70	
<b>BREAST (FEMALE)</b>								
STUDY OBS	13	12	8	12	11	5	5	
SMR	1.27	1.23	0.85	1.25	1.18	0.62	0.72	
CNTRL OBS	35	29	24	32	37	24	22	
SMR	1.00	0.85	0.72	0.95	1.12	0.78	0.77	
<b>THYROID</b>								
STUDY OBS	1	0	0	0	0	0	0	
SMR	2.96	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	1	0	2	2	1	1	1	
SMR	0.87	0.00	2.57	3.10	1.80	2.00	2.47	
<b>BONES &amp; JOINTS</b>								
STUDY OBS	3	0	0	1	2	0	0	
SMR	4.70	0.00	0.00	3.28	7.67	0.00	0.00	
CNTRL OBS	3	0	1	2	0	0	0	
SMR	1.39	0.00	0.79	1.85	0.00	0.00	0.00	
<b>BLADDER</b>								
STUDY OBS	1	0	0	5	0	1	1	
SMR	0.65	0.00	0.00	5.57	0.00	1.53	1.94	
CNTRL OBS	5	1	1	2	3	0	1	
SMR	0.97	0.24	0.29	0.63	1.01	0.00	0.46	
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	5	3	4	0	8	0	0	
SMR	1.79	1.10	1.51	0.00	3.08	0.00	0.00	
CNTRL OBS	5	5	13	10	6	8	5	
SMR	0.53	0.53	1.41	1.19	0.63	0.98	0.66	
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	3	0	0	
SMR	0.00	0.00	0.00	0.00	3.02	0.00	0.00	
CNTRL OBS	0	0	0	0	1	6	1	
SMR	0.00	0.00	0.00	0.00	0.28	2.59	1.71	

Table 2-C.19

Age at death: 60 plus		Cooper Station (1974) Atchison, MO ; Nemaha, NE ; Richardson, NE							
		YEARS BEFORE STARTUP		YEARS AFTER STARTUP					
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	7	14	12	10	11	12	10	
	SMR	0.90	1.46	1.11	0.83	0.89	0.93	0.75	
CNTRL	OBS	33	30	45	41	49	45	63	
	SMR	1.14	0.85	1.13	0.94	1.12	0.98	1.29	
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	216	268	230	242	270	308	321	
	SMR	0.90	1.06	0.87	0.86	0.90	0.96	0.95	
CNTRL	OBS	791	817	841	867	893	942	1032	
	SMR	0.88	0.87	0.87	0.85	0.84	0.82	0.84	
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	1	2	2	5	2	1	1	
	SMR	0.66	1.22	1.20	2.94	1.26	0.87	1.06	
CNTRL	OBS	7	11	11	10	6	2	1	
	SMR	1.26	1.85	1.83	1.63	1.06	0.49	0.29	
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	3	8	9	8	12	18	12	
	SMR	0.74	1.50	1.41	1.04	1.39	1.88	1.06	
CNTRL	OBS	8	22	23	28	38	34	37	
	SMR	0.53	1.13	0.99	1.01	1.23	1.00	0.90	
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	1	1	2	2	3	8	11	
	SMR	0.65	0.41	0.67	0.54	0.66	1.50	1.88	
CNTRL	OBS	2	5	10	13	15	13	20	
	SMR	0.35	0.56	0.92	0.97	0.93	0.68	0.93	
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	92	115	104	86	102	88	106	
	SMR	0.84	1.07	0.98	0.82	1.00	0.86	1.06	
CNTRL	OBS	358	343	358	315	324	324	318	
	SMR	0.88	0.86	0.92	0.83	0.89	0.89	0.87	
<b>STOMACH</b>									
STUDY	OBS	23	23	28	9	13	11	8	
	SMR	0.73	0.86	1.24	0.48	0.83	0.80	0.66	
CNTRL	OBS	115	77	78	54	35	38	29	
	SMR	0.98	0.78	0.94	0.80	0.63	0.77	0.66	

Age at death: 60 plus

Cooper Station (1974)  
Atchison, MO ; Nemaha, NE ; Richardson, NE

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>COLON &amp; RECTUM</b>									
STUDY	OBS	43	56	47	49	56	48	58	
	SMR	0.97	1.20	0.97	0.98	1.09	0.91	1.13	
CNTRL	OBS	142	161	171	146	174	191	174	
	SMR	0.86	0.94	0.97	0.81	0.95	1.02	0.93	
<b>LIVER (PRIMARY)</b>									
STUDY	OBS	12	12	10	7	2	2	3	
	SMR	0.91	0.95	0.82	0.76	0.41	0.44	0.63	
CNTRL	OBS	48	41	35	36	24	14	12	
	SMR	0.98	0.89	0.79	1.08	1.38	0.86	0.69	
<b>TRACHEA, BRONCHUS, LUNG</b>									
STUDY	OBS	25	34	26	38	47	69	68	
	SMR	1.17	1.17	0.70	0.79	0.79	0.95	0.81	
CNTRL	OBS	47	59	94	125	149	168	224	
	SMR	0.60	0.55	0.69	0.72	0.69	0.65	0.73	
<b>BREAST (FEMALE)</b>									
STUDY	OBS	19	23	13	13	16	22	24	
	SMR	1.09	1.22	0.66	0.61	0.71	0.92	0.93	
CNTRL	OBS	58	64	64	66	59	83	73	
	SMR	0.91	0.95	0.92	0.88	0.74	0.98	0.79	
<b>THYROID</b>									
STUDY	OBS	0	1	1	0	2	1	1	
	SMR	0.00	0.85	0.89	0.00	1.93	1.03	1.16	
CNTRL	OBS	3	4	5	3	3	4	0	
	SMR	0.74	0.93	1.24	0.80	0.82	1.16	0.00	
<b>BONES &amp; JOINTS</b>									
STUDY	OBS	1	1	0	0	2	1	0	
	SMR	0.51	0.60	0.00	0.00	1.58	0.96	0.00	
CNTRL	OBS	7	10	4	6	4	4	2	
	SMR	0.96	1.62	0.80	1.28	0.89	1.08	0.97	
<b>BLADDER</b>									
STUDY	OBS	4	12	4	10	13	9	17	
	SMR	0.41	1.18	0.39	0.94	1.17	0.80	1.61	
CNTRL	OBS	25	29	19	32	21	34	42	
	SMR	0.68	0.76	0.50	0.82	0.53	0.84	1.08	
<b>BRAIN &amp; OTHER C.N.S.</b>									
STUDY	OBS	3	2	2	1	2	3	6	
	SMR	1.72	0.92	0.76	0.32	0.42	0.52	0.96	
CNTRL	OBS	9	10	5	5	17	19	25	
	SMR	1.44	1.29	0.53	0.45	1.00	0.92	1.10	
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>									
STUDY	OBS	0	0	0	0	2	4	2	
	SMR	0.00	0.00	0.00	0.00	0.55	1.21	1.73	
CNTRL	OBS	0	0	0	0	8	13	5	
	SMR	0.00	0.00	0.00	0.00	0.62	1.10	1.19	



Table 2-C.19

Age at death: all	Cooper Station (1974) Atchison, MO ; Nemaha, NE ; Richardson, NE						
	YEARS BEFORE STARTUP			YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
LEUKEMIA & ALEUKEMIA							
STUDY OBS	15	18	16	13	14	12	16
SMR	1.06	1.18	1.01	0.79	0.86	0.74	0.99
CNTRL OBS	57	52	68	53	65	55	76
SMR	1.14	0.94	1.17	0.88	1.10	0.93	1.24
ALL CANCER, EXCL LEUK							
STUDY OBS	309	331	289	313	339	361	371
SMR	0.93	0.99	0.85	0.88	0.92	0.94	0.94
CNTRL OBS	1037	1024	1042	1098	1130	1124	1212
SMR	0.87	0.84	0.84	0.86	0.85	0.81	0.82
HODGKIN'S DISEASE							
STUDY OBS	5	4	4	5	3	2	3
SMR	1.37	1.12	1.18	1.49	1.03	1.02	1.94
CNTRL OBS	16	17	22	18	11	5	2
SMR	1.27	1.34	1.78	1.47	1.03	0.68	0.33
OTHER LYMPHOMA							
STUDY OBS	6	8	10	11	16	21	12
SMR	0.85	0.97	1.08	1.04	1.41	1.78	0.89
CNTRL OBS	15	31	31	39	48	44	42
SMR	0.60	1.05	0.92	1.02	1.18	1.02	0.83
MULTIPLE MYELOMA							
STUDY OBS	1	2	4	4	4	8	12
SMR	0.44	0.61	1.05	0.91	0.76	1.33	1.85
CNTRL OBS	4	6	14	14	18	13	22
SMR	0.49	0.51	1.02	0.88	0.95	0.60	0.91
DIGESTIVE ORGANS							
STUDY OBS	119	136	119	103	122	99	116
SMR	0.88	1.05	0.95	0.84	1.04	0.86	1.04
CNTRL OBS	431	396	406	366	371	359	367
SMR	0.87	0.83	0.89	0.83	0.88	0.86	0.89
STOMACH							
STUDY OBS	28	25	29	10	15	12	11
SMR	0.74	0.80	1.12	0.47	0.84	0.78	0.82
CNTRL OBS	129	87	89	62	44	41	31
SMR	0.93	0.76	0.94	0.80	0.69	0.73	0.62

Age at death: all

Cooper Station (1974)  
Atchison, MO ; Nemaha, NE ; Richardson, NE

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM	STUDY OBS	56	70	54	60	69	55	63	
	SMR	1.00	1.24	0.95	1.04	1.18	0.93	1.12	
	CNTRL OBS	176	188	192	175	194	212	202	
	SMR	0.86	0.92	0.93	0.84	0.93	1.00	0.97	
LIVER (PRIMARY)	STUDY OBS	13	13	11	8	3	2	3	
	SMR	0.79	0.86	0.77	0.74	0.52	0.38	0.55	
	CNTRL OBS	59	49	41	38	29	15	19	
	SMR	0.98	0.89	0.80	0.98	1.40	0.79	0.94	
TRACHEA, BRONCHUS, LUNG	STUDY OBS	33	38	35	48	56	87	87	
	SMR	1.02	0.91	0.69	0.76	0.72	0.97	0.87	
	CNTRL OBS	68	80	123	160	197	222	272	
	SMR	0.59	0.53	0.67	0.70	0.71	0.68	0.72	
BREAST (FEMALE)	STUDY OBS	32	37	22	26	27	27	30	
	SMR	1.10	1.25	0.73	0.82	0.83	0.82	0.90	
	CNTRL OBS	96	96	91	103	98	110	98	
	SMR	0.93	0.91	0.86	0.92	0.84	0.93	0.79	
THYROID	STUDY OBS	1	1	1	0	2	1	1	
	SMR	0.68	0.67	0.73	0.00	1.65	0.90	1.03	
	CNTRL OBS	4	5	7	5	4	5	1	
	SMR	0.75	0.93	1.43	1.11	0.93	1.25	0.28	
BONES & JOINTS	STUDY OBS	6	1	1	1	4	1	0	
	SMR	1.92	0.38	0.48	0.51	2.14	0.67	0.00	
	CNTRL OBS	11	15	5	10	5	6	2	
	SMR	0.98	1.59	0.65	1.38	0.73	1.06	0.57	
BLADDER	STUDY OBS	5	12	4	15	13	10	18	
	SMR	0.44	1.05	0.35	1.30	1.09	0.84	1.62	
	CNTRL OBS	30	30	20	34	24	34	43	
	SMR	0.71	0.71	0.48	0.81	0.56	0.79	1.05	
BRAIN & OTHER C.N.S.	STUDY OBS	12	8	6	2	11	3	6	
	SMR	1.88	1.22	0.89	0.30	1.30	0.34	0.68	
	CNTRL OBS	20	23	26	21	27	30	33	
	SMR	0.93	1.00	1.08	0.88	0.87	0.92	0.97	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	5	4	2	
	SMR	0.00	0.00	0.00	0.00	0.99	0.96	1.46	
	CNTRL OBS	0	0	0	0	9	20	7	
	SMR	0.00	0.00	0.00	0.00	0.49	1.31	1.37	



Age at death: under 10

Duane Arnold (1974)  
Benton, IA ; Linn, IA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
COLON & RECTUM							
STUDY OBS	1	0	0	0	0	0	0
SHR	19.12	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0
SHR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)							
STUDY OBS	0	1	0	0	1	0	0
SHR	0.00	4.59	0.00	0.00	4.88	0.00	0.00
CNTRL OBS	1	1	0	0	0	1	0
SHR	3.30	3.15	0.00	0.00	0.00	4.83	0.00
TRACHEA, BRONCHUS, LUNG							
STUDY OBS	0	0	0	0	0	1	0
SHR	0.00	0.00	0.00	0.00	0.00	42.37	0.00
CNTRL OBS	1	0	0	0	1	0	0
SHR	10.08	0.00	0.00	0.00	12.58	0.00	0.00
BREAST (FEEMALE)							
STUDY OBS	0	0	0	0	0	0	0
SHR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0
SHR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID							
STUDY OBS	0	0	0	0	0	0	0
SHR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0
SHR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS							
STUDY OBS	0	0	1	0	0	0	0
SHR	0.00	0.00	3.77	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	0	0	0	0	0
SHR	0.00	2.35	0.00	0.00	0.00	0.00	0.00
BLADDER							
STUDY OBS	0	0	0	0	1	0	0
SHR	0.00	0.00	0.00	0.00	37.19	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0
SHR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.							
STUDY OBS	1	4	5	3	0	1	3
SHR	0.40	1.24	1.41	1.06	0.00	0.67	2.21
CNTRL OBS	5	4	6	1	2	0	3
SHR	1.23	0.84	1.22	0.27	0.71	0.00	1.60
BENIGN & UNSPEC NEOPLASMS							
STUDY OBS	0	0	0	0	0	0	0
SHR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	1	0	0
SHR	0.00	0.00	0.00	0.00	0.80	0.00	0.00







Table 2-C-20(HORT)

Age at death: 20 to 39

Duane Arnold (1974)  
Benton, IA ; Linn, IA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	7	2	3	3	1	8	4	
	SMR	1.63	0.43	0.63	0.61	0.19	1.47	0.70	
CNTRL	OBS	13	5	11	4	7	6	6	
	SMR	2.01	0.79	1.86	0.69	1.17	0.93	0.90	
ALL CANCER, EXCL LEUK									
STUDY	OBS	37	27	33	34	38	41	41	
	SMR	0.97	0.67	0.79	0.81	0.92	1.02	0.97	
CNTRL	OBS	71	55	58	51	45	49	52	
	SMR	1.24	1.01	1.11	1.03	0.94	1.05	1.06	
HODGKIN'S DISEASE									
STUDY	OBS	4	4	1	7	3	6	0	
	SMR	1.19	1.06	0.24	1.57	0.75	2.03	0.00	
CNTRL	OBS	4	9	8	6	5	5	4	
	SMR	0.79	1.77	1.53	1.15	1.08	1.43	1.34	
OTHER LYMPHOMA									
STUDY	OBS	4	2	2	1	1	2	4	
	SMR	1.99	0.92	0.81	0.39	0.38	0.75	1.32	
CNTRL	OBS	4	5	1	6	2	5	3	
	SMR	1.32	1.69	0.32	2.00	0.66	1.59	0.85	
MULTIPLE MYELOMA									
STUDY	OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL	OBS	0	0	0	0	0	0	2	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	9.85	
DIGESTIVE ORGANS									
STUDY	OBS	7	0	3	7	5	7	9	
	SMR	0.96	0.00	0.45	1.12	0.84	1.23	1.56	
CNTRL	OBS	13	3	15	4	10	10	5	
	SMR	1.19	0.31	1.82	0.54	1.47	1.52	0.75	
STOMACH									
STUDY	OBS	1	0	0	0	1	0	1	
	SMR	0.61	0.00	0.00	0.00	1.00	0.00	1.08	
CNTRL	OBS	2	0	1	1	1	1	2	
	SMR	0.81	0.00	0.61	0.79	0.88	0.98	1.87	

Age at death: 20 to 39

Duane Arnold (1974)  
Benton, IA ; Linn, IA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM								
STUDY OBS	5	0	3	5	2	3	5	
SMR	1.35	0.00	0.92	1.61	0.68	1.05	1.79	
CNTRL OBS	9	3	9	1	4	4	3	
SMR	1.63	0.62	2.20	0.27	1.19	1.20	0.92	
LIVER (PRIMARY)								
STUDY OBS	0	0	0	0	1	1	1	
SMR	0.00	0.00	0.00	0.00	1.92	1.84	1.58	
CNTRL OBS	0	0	2	0	3	2	0	
SMR	0.00	0.00	2.54	0.00	5.01	3.18	0.00	
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	3	1	2	2	6	2	2	
SMR	1.44	0.37	0.61	0.54	1.50	0.53	0.54	
CNTRL OBS	3	1	0	3	3	3	7	
SMR	0.96	0.27	0.00	0.68	0.65	0.68	1.62	
BREAST (FEMALE)								
STUDY OBS	1	3	3	5	4	5	6	
SMR	0.20	0.55	0.53	0.90	0.70	0.86	0.88	
CNTRL OBS	6	9	6	9	4	8	8	
SMR	0.80	1.22	0.84	1.36	0.61	1.20	1.04	
THYROID								
STUDY OBS	0	1	0	0	0	0	0	
SMR	0.00	7.02	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	1	0	0	0	0	
SMR	0.00	0.00	5.62	0.00	0.00	0.00	0.00	
BONES & JOINTS								
STUDY OBS	1	0	2	0	0	0	0	
SMR	1.26	0.00	2.68	0.00	0.00	0.00	0.00	
CNTRL OBS	3	1	2	0	0	0	1	
SMR	2.48	0.93	2.14	0.00	0.00	0.00	0.97	
BLADDER								
STUDY OBS	0	1	0	0	0	0	0	
SMR	0.00	6.41	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	1	0	0	1	0	
SMR	0.00	0.00	5.14	0.00	0.00	7.95	0.00	
BRAIN & OTHER C.N.S.								
STUDY OBS	6	4	6	3	8	4	8	
SMR	1.77	1.07	1.54	0.83	1.90	1.00	1.88	
CNTRL OBS	8	2	3	7	4	4	8	
SMR	1.57	0.40	0.62	1.65	0.82	0.85	1.61	
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	2	0	0	
SMR	0.00	0.00	0.00	0.00	1.20	0.00	0.00	
CNTRL OBS	0	0	0	0	1	1	1	
SMR	0.00	0.00	0.00	0.00	0.52	0.73	2.49	

Age at death: 40 to 59

Duane Arnold (1974)  
Benton, IA ; Linn, IA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	12	18	7	11	5	9	9	
	SMR	1.17	1.72	0.66	1.01	0.47	0.86	0.88	
CNTRL	OBS	19	19	17	22	6	14	8	
	SMR	1.22	1.23	1.13	1.47	0.43	1.02	0.60	
ALL CANCER, EXCL LEUK									
STUDY	OBS	241	254	243	304	355	307	289	
	SMR	0.90	0.92	0.84	0.96	1.06	0.92	0.89	
CNTRL	OBS	377	395	414	387	437	454	391	
	SMR	0.92	0.97	1.01	0.89	0.98	1.02	0.92	
HODGKIN'S DISEASE									
STUDY	OBS	2	1	1	6	4	2	2	
	SMR	0.51	0.24	0.23	1.32	1.05	0.83	1.10	
CNTRL	OBS	4	5	6	6	8	9	1	
	SMR	0.67	0.81	1.00	0.98	1.59	2.87	0.43	
OTHER LYMPHOMA									
STUDY	OBS	12	15	9	13	14	12	8	
	SMR	1.69	1.83	0.96	1.20	1.28	1.15	0.74	
CNTRL	OBS	10	16	14	21	17	27	22	
	SMR	0.92	1.32	1.05	1.42	1.16	1.96	1.56	
MULTIPLE MYELOMA									
STUDY	OBS	1	6	2	2	3	4	3	
	SMR	0.41	1.97	0.60	0.62	0.80	0.99	0.76	
CNTRL	OBS	5	2	2	7	4	4	6	
	SMR	1.34	0.44	0.42	1.58	0.79	0.75	1.16	
DIGESTIVE ORGANS									
STUDY	OBS	78	68	71	80	80	77	63	
	SMR	0.92	0.86	0.92	1.03	1.06	1.07	0.94	
CNTRL	OBS	107	123	109	94	111	104	87	
	SMR	0.83	1.05	0.99	0.88	1.09	1.09	0.99	
STOMACH									
STUDY	OBS	11	11	5	9	10	8	5	
	SMR	0.54	0.68	0.36	0.75	0.92	0.86	0.59	
CNTRL	OBS	21	16	12	7	11	3	11	
	SMR	0.68	0.67	0.61	0.43	0.76	0.24	1.00	

Age at death: 40 to 59

Duane Arnold (1974)  
Benton, IA ; Linn, IA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM	STUDY OBS	42	25	43	39	47	38	30	
	SMR	1.17	0.72	1.26	1.12	1.35	1.14	0.99	
	CNTRL OBS	59	55	46	51	56	56	43	
LIVER (PRIMARY)	STUDY OBS	4	8	4	3	1	2	6	
	SMR	0.38	0.89	0.48	0.44	0.24	0.54	1.57	
	CNTRL OBS	7	18	23	6	4	3	3	
TRACHEA, BRONCHUS, LUNG	STUDY OBS	33	42	37	67	91	84	88	
	SMR	0.91	0.92	0.66	0.93	1.02	0.84	0.85	
	CNTRL OBS	43	53	80	84	106	125	116	
BREAST (FEMALE)	STUDY OBS	25	36	36	46	51	39	42	
	SMR	0.69	0.93	0.87	1.00	1.07	0.83	0.95	
	CNTRL OBS	67	64	66	52	57	66	54	
THYROID	STUDY OBS	0	0	1	3	0	0	0	
	SMR	0.00	0.00	1.05	3.45	0.00	0.00	0.00	
	CNTRL OBS	2	0	2	2	0	0	1	
BONES & JOINTS	STUDY OBS	1	1	2	2	1	0	0	
	SMR	0.45	0.52	1.27	1.37	0.73	0.00	0.00	
	CNTRL OBS	5	1	1	4	3	1	1	
BLADDER	STUDY OBS	5	7	4	2	4	4	2	
	SMR	0.95	1.52	0.94	0.47	0.97	1.04	0.61	
	CNTRL OBS	5	6	8	6	6	8	1	
BRAIN & OTHER C.N.S.	STUDY OBS	5	8	10	16	17	20	17	
	SMR	0.52	0.75	0.86	1.39	1.23	1.59	1.44	
	CNTRL OBS	13	17	22	19	16	24	15	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	9	3	3	
	SMR	0.00	0.00	0.00	0.00	1.71	0.84	3.23	
	CNTRL OBS	0	0	0	0	4	1	1	
	STUDY OBS	0.00	0.00	0.00	0.00	0.57	0.21	0.84	
	SMR								
	CNTRL OBS								

Age at death: 60 plus

Duane Arnold (1974)  
Benton, IA ; Linn, IA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	39	31	27	40	41	48	51	
SMR	1.66	1.03	0.77	1.02	1.03	1.11	1.06	
CNTRL OBS	37	55	85	82	72	85	69	
SMR	0.94	1.12	1.52	1.32	1.14	1.26	0.92	
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	729	763	913	926	1034	1141	1249	
SMR	1.01	0.95	1.06	1.00	1.04	1.03	0.99	
CNTRL OBS	1151	1219	1307	1392	1556	1731	1813	
SMR	0.94	0.94	0.95	0.95	1.00	1.01	0.94	
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	3	4	8	10	3	1	4	
SMR	0.65	0.76	1.45	1.75	0.55	0.25	1.12	
CNTRL OBS	11	14	4	8	7	5	4	
SMR	1.44	1.66	0.46	0.89	0.83	0.80	0.73	
<b>OTHER LYMPHOMA</b>								
STUDY OBS	27	30	28	31	35	45	53	
SMR	2.18	1.76	1.33	1.21	1.21	1.35	1.25	
CNTRL OBS	19	29	35	49	44	46	69	
SMR	0.92	1.06	1.05	1.21	0.97	0.89	1.06	
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	4	6	13	15	21	23	30	
SMR	0.84	0.77	1.30	1.21	1.38	1.25	1.37	
CNTRL OBS	5	11	26	20	26	38	36	
SMR	0.63	0.88	1.65	1.03	1.09	1.32	1.07	
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	309	316	356	339	340	369	385	
SMR	0.95	0.93	1.02	0.99	1.01	1.06	1.04	
CNTRL OBS	531	518	529	514	511	565	561	
SMR	0.96	0.94	0.96	0.94	0.97	1.03	0.99	
<b>STOMACH</b>								
STUDY OBS	84	58	56	52	46	39	35	
SMR	0.90	0.69	0.77	0.86	0.90	0.84	0.79	
CNTRL OBS	166	115	108	73	71	65	52	
SMR	1.05	0.84	0.93	0.76	0.88	0.89	0.77	

Age at death: 60 plus

Duane Arnold (1974)  
Benton, IA ; Linn, IA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>COLON &amp; RECTUM</b>								
STUDY OBS	131	140	173	173	186	207	217	
SMR	0.98	0.95	1.10	1.10	1.10	1.16	1.16	
CNTRL OBS	212	234	249	249	260	321	315	
SMR	0.94	0.98	1.00	1.00	0.98	1.15	1.09	
<b>LIVER (PRIMARY)</b>								
STUDY OBS	35	44	54	54	14	14	17	
SMR	0.87	1.09	1.35	1.35	0.87	0.89	0.96	
CNTRL OBS	61	62	63	63	21	25	27	
SMR	0.90	0.95	1.00	1.00	0.83	1.03	0.99	
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	64	89	142	142	225	269	302	
SMR	0.99	0.96	1.16	1.16	1.12	1.06	0.94	
CNTRL OBS	64	102	173	173	298	376	439	
SMR	0.60	0.68	0.89	0.89	0.94	0.96	0.90	
<b>BREAST (FEMALE)</b>								
STUDY OBS	56	66	76	76	71	80	94	
SMR	1.01	1.07	1.14	1.14	0.89	0.92	0.94	
CNTRL OBS	90	106	130	130	149	148	147	
SMR	0.98	1.07	1.25	1.25	1.21	1.10	0.96	
<b>THYROID</b>								
STUDY OBS	2	1	4	4	4	2	3	
SMR	0.59	0.26	1.08	1.08	1.15	0.59	0.94	
CNTRL OBS	5	10	11	11	11	4	4	
SMR	0.88	1.63	1.87	1.87	2.02	0.76	0.81	
<b>BONES &amp; JOINTS</b>								
STUDY OBS	3	4	6	6	4	4	1	
SMR	0.51	0.76	1.35	1.35	0.96	1.12	0.48	
CNTRL OBS	6	5	5	5	7	8	8	
SMR	0.61	0.58	0.71	0.71	1.07	1.44	2.49	
<b>BLADDER</b>								
STUDY OBS	37	30	39	39	45	50	33	
SMR	1.29	0.95	1.18	1.18	1.28	1.36	0.89	
CNTRL OBS	38	46	41	41	41	51	53	
SMR	0.77	0.89	0.78	0.78	0.73	0.88	0.92	
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	7	4	9	9	21	27	27	
SMR	1.28	0.56	1.00	1.00	1.25	1.28	1.10	
CNTRL OBS	10	15	12	12	27	39	39	
SMR	1.13	1.32	0.86	0.86	1.04	1.20	1.05	
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	13	8	9	
SMR	0.00	0.00	0.00	0.00	1.08	0.70	2.10	
CNTRL OBS	0	0	0	0	10	14	4	
SMR	0.00	0.00	0.00	0.00	0.53	0.79	0.61	



Age at death: all

Duane Arnold (1974)  
Benton, IA ; Linn, IA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
LEUKEMIA & ALEUKEMIA								
STUDY OBS	66	62	47	65	59	72	70	
SMR	1.42	1.11	0.76	0.99	0.91	1.10	1.01	
CNTRL OBS	93	93	131	121	92	115	90	
SMR	1.23	1.08	1.41	1.24	0.96	1.19	0.89	
ALL CANCER, EXCL LEUK								
STUDY OBS	1016	1059	1204	1275	1436	1502	1597	
SMR	0.98	0.94	0.99	0.98	1.04	1.01	0.98	
CNTRL OBS	1623	1685	1796	1849	2053	2249	2272	
SMR	0.95	0.95	0.97	0.94	0.99	1.01	0.94	
HODGKIN'S DISEASE								
STUDY OBS	10	11	10	24	10	11	6	
SMR	0.80	0.79	0.67	1.54	0.72	1.12	0.73	
CNTRL OBS	20	31	21	21	20	19	10	
SMR	1.02	1.49	0.99	0.97	1.05	1.41	0.89	
OTHER LYMPHOMA								
STUDY OBS	44	50	41	48	52	60	68	
SMR	1.92	1.71	1.17	1.17	1.17	1.26	1.19	
CNTRL OBS	34	52	51	80	66	78	95	
SMR	0.92	1.15	0.97	1.31	1.01	1.11	1.13	
MULTIPLE MYELOMA								
STUDY OBS	5	12	15	17	24	27	33	
SMR	0.68	1.08	1.11	1.08	1.25	1.19	1.27	
CNTRL OBS	10	13	29	27	30	42	44	
SMR	0.84	0.75	1.40	1.12	1.03	1.23	1.13	
DIGESTIVE ORGANS								
STUDY OBS	395	385	430	427	426	454	458	
SMR	0.94	0.90	1.00	1.00	1.02	1.06	1.03	
CNTRL OBS	653	645	653	612	632	680	654	
SMR	0.94	0.95	0.97	0.93	0.99	1.05	0.98	
STOMACH								
STUDY OBS	96	69	61	61	57	47	41	
SMR	0.83	0.68	0.69	0.83	0.91	0.83	0.77	
CNTRL OBS	189	131	121	81	83	69	65	
SMR	0.99	0.81	0.88	0.71	0.86	0.80	0.81	

Age at death: all

Duane Arnold (1974)  
Benton, IA ; Linn, IA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM								
STUDY OBS	179	165	219	217	235	248	252	
SMR	1.03	0.89	1.13	1.08	1.14	1.15	1.14	
CNTRL OBS	280	292	304	323	320	381	361	
SMR	0.98	0.99	1.00	1.04	1.01	1.16	1.09	
LIVER (PRIMARY)								
STUDY OBS	39	53	58	29	17	18	25	
SMR	0.75	1.06	1.18	0.76	0.80	0.89	1.11	
CNTRL OBS	70	81	88	59	28	31	31	
SMR	0.82	1.02	1.15	1.00	0.88	1.02	0.93	
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	100	132	181	210	322	356	392	
SMR	0.97	0.93	0.99	0.89	1.09	0.99	0.91	
CNTRL OBS	111	156	253	295	408	504	562	
SMR	0.67	0.71	0.91	0.83	0.93	0.95	0.89	
BREAST (FEHALE)								
STUDY OBS	82	105	115	132	126	124	142	
SMR	0.85	0.99	1.01	1.06	0.95	0.89	0.94	
CNTRL OBS	163	179	202	183	210	222	209	
SMR	1.05	1.09	1.18	1.00	1.08	1.09	0.96	
THYROID								
STUDY OBS	2	2	5	6	4	2	3	
SMR	0.42	0.40	1.03	1.32	0.91	0.47	0.76	
CNTRL OBS	7	10	14	5	11	4	5	
SMR	0.91	1.26	1.88	0.73	1.65	0.63	0.85	
BONES & JOINTS								
STUDY OBS	6	5	13	4	7	4	2	
SMR	0.61	0.54	1.60	0.50	0.88	0.59	0.43	
CNTRL OBS	17	9	10	8	11	9	10	
SMR	1.04	0.62	0.82	0.67	0.95	0.92	1.56	
BLADDER								
STUDY OBS	42	38	43	37	50	54	35	
SMR	1.22	1.04	1.15	0.96	1.27	1.33	0.87	
CNTRL OBS	43	52	50	74	47	60	54	
SMR	0.75	0.89	0.84	1.22	0.76	0.95	0.87	
BRAIN & OTHER C.N.S.								
STUDY OBS	19	20	32	39	47	58	61	
SMR	0.86	0.77	1.08	1.28	1.21	1.43	1.42	
CNTRL OBS	38	39	44	49	51	69	67	
SMR	1.10	1.00	1.03	1.14	0.93	1.19	1.10	
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	25	12	12	
SMR	0.00	0.00	0.00	0.00	1.21	0.70	2.08	
CNTRL OBS	0	0	0	0	16	17	6	
SMR	0.00	0.00	0.00	0.00	0.53	0.68	0.71	

Age at diagnosis: under 10

Duane Arnold (1974)  
Benton, IA ; Linn, IA

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP		
	1965-69	1970-74		1975-79	1980-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>						
STUDY OBS	0	9		9	8	
SRR	0.00	1.29		1.29	1.23	
CNTRL OBS	2	6		10	6	
SRR	0.90	0.65		1.06	0.66	
<b>ALL CANCER, EXCL LEUK</b>						
STUDY OBS	2	13		10	23	
SRR	0.62	1.14		0.69	1.60	
CNTRL OBS	4	18		15	18	
SRR	0.94	1.19		0.78	0.92	
<b>HODGKIN'S DISEASE</b>						
STUDY OBS	0	0		0	0	
SRR	0.00	0.00		0.00	0.00	
CNTRL OBS	1	0		1	1	
SRR	2.10	0.00		1.62	2.70	
<b>OTHER LYMPHOMA</b>						
STUDY OBS	0	2		1	2	
SRR	0.00	2.14		1.31	1.76	
CNTRL OBS	1	3		1	1	
SRR	1.75	2.39		1.00	0.66	
<b>MULTIPLE MYELOMA</b>						
STUDY OBS	0	0		0	0	
SRR	0.00	0.00		0.00	0.00	
CNTRL OBS	0	0		0	0	
SRR	0.00	0.00		0.00	0.00	
<b>DIGESTIVE ORGANS</b>						
STUDY OBS	0	2		1	0	
SRR	0.00	2.75		1.13	0.00	
CNTRL OBS	0	1		2	0	
SRR	0.00	1.04		1.65	0.00	
<b>STOMACH</b>						
STUDY OBS	0	0		0	0	
SRR	0.00	0.00		0.00	0.00	
CNTRL OBS	0	0		0	0	
SRR	0.00	0.00		0.00	0.00	

Age at diagnosis: under 10

Duane Arnold (1974)  
Benton, IA ; Linn, IA

1980-84

1975-79

1970-74

1965-69

## COLON &amp; RECTUM

STUDY OBS 0  
SRR 0.00  
CNTRL OBS 0  
SRR 0.00

## LIVER (PRIMARY)

STUDY OBS 0  
SRR 0.00  
CNTRL OBS 0  
SRR 0.00

## TRACHEA, BRONCHUS, LUNG

STUDY OBS 0  
SRR 0.00  
CNTRL OBS 0  
SRR 0.00

## BREAST (FEMALE)

STUDY OBS 0  
SRR 0.00  
CNTRL OBS 0  
SRR 0.00

## THYROID

STUDY OBS 0  
SRR 0.00  
CNTRL OBS 0  
SRR 0.00

## BONES &amp; JOINTS

STUDY OBS 0  
SRR 0.00  
CNTRL OBS 0  
SRR 0.00

## BLADDER

STUDY OBS 0  
SRR 0.00  
CNTRL OBS 0  
SRR 0.00

## BRAIN &amp; OTHER C.N.S.

STUDY OBS 0  
SRR 0.00  
CNTRL OBS 0  
SRR 0.00

0  
0.00  
0  
0.00

0  
0.00  
1  
1.77

0  
0.00  
0  
0.00

0  
0.00  
0  
0.00

0  
0.00  
0  
0.00

0  
0.00  
0  
0.00

0  
0.00  
0  
0.00

0  
0.00  
0.25  
0.72

0  
0.00  
0.00

1  
2.76  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

1  
13.75  
0.60  
1.82

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0  
0.00  
0.00

0

Duane Arnold (1974)  
Benton, IA ; Linn, IA

Age at diagnosis: 10 to 19

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP	
	1965-69	1970-74		1975-79	1980-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>					
STUDY OBS	0	5		7	7
SRR	0.00	1.30		1.49	1.63
CNTRL OBS	0	7		3	6
SRR	0.00	1.29		0.45	1.04
<b>ALL CANCER, EXCL LEUK</b>					
STUDY OBS	3	18		23	32
SRR	0.95	1.14		1.03	1.66
CNTRL OBS	1	26		34	25
SRR	0.22	1.18		1.11	0.94
<b>HODGKIN'S DISEASE</b>					
STUDY OBS	2	1		7	7
SRR	3.34	0.41		1.39	1.77
CNTRL OBS	0	6		6	6
SRR	0.00	1.74		0.88	1.10
<b>OTHER LYMPHOMA</b>					
STUDY OBS	0	1		1	2
SRR	0.00	0.83		0.75	0.90
CNTRL OBS	0	0		1	4
SRR	0.00	0.00		0.54	1.29
<b>MULTIPLE MYELOMA</b>					
STUDY OBS	0	0		0	0
SRR	0.00	0.00		0.00	0.00
CNTRL OBS	0	0		0	0
SRR	0.00	0.00		0.00	0.00
<b>DIGESTIVE ORGANS</b>					
STUDY OBS	0	1		0	2
SRR	0.00	2.00		0.00	3.01
CNTRL OBS	0	1		0	1
SRR	0.00	1.49		0.00	1.11
<b>STOMACH</b>					
STUDY OBS	0	0		0	0
SRR	0.00	0.00		0.00	0.00
CNTRL OBS	0	0		0	0
SRR	0.00	0.00		0.00	0.00

Age at diagnosis: 10 to 19

Duane Arnold (1974)  
Benton, IA ; Linn, IA

	1965-69	1970-74	1975-79	1980-84
<b>COLON &amp; RECTUM</b>				
STUDY OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	0	0
SRR	0.00	2.81	0.00	0.00
<b>LIVER (PRIMARY)</b>				
STUDY OBS	0	1	0	1
SRR	0.00	7.90	0.00	5.07
CNTRL OBS	0	0	0	1
SRR	0.00	0.00	0.00	4.09
<b>TRACHEA, BRONCHUS, LUNG</b>				
STUDY OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	2	0
SRR	0.00	3.67	8.73	0.00
<b>BREAST (FEMALE)</b>				
STUDY OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
<b>THYROID</b>				
STUDY OBS	0	0	2	5
SRR	0.00	0.00	1.24	2.51
CNTRL OBS	0	0	1	1
SRR	0.00	0.00	0.45	0.37
<b>BONES &amp; JOINTS</b>				
STUDY OBS	1	2	1	3
SRR	3.16	1.15	0.43	1.47
CNTRL OBS	0	2	3	0
SRR	0.00	0.83	0.96	0.00
<b>BLADDER</b>				
STUDY OBS	0	0	0	0
SRR	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	1	0
SRR	0.00	0.00	5.49	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>				
STUDY OBS	0	9	6	6
SRR	0.00	2.96	1.55	2.12
CNTRL OBS	0	4	6	4
SRR	0.00	0.94	1.11	1.01



Age at diagnosis: 20 to 39

Duane Arnold (1974)  
Benton, IA ; Linn, IA

	YEARS BEFORE STARTUP		YEARS AFTER STARTUP	
	1965-69	1970-74	1975-79	1980-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>				
STUDY OBS	0	2	11	8
SRR	0.00	0.48	1.24	1.08
CNTRL OBS	2	4	12	11
SRR	1.92	0.82	1.15	1.28
<b>ALL CANCER, EXCL LEUK</b>				
STUDY OBS	18	110	177	199
SRR	0.64	0.97	1.07	1.08
CNTRL OBS	26	156	205	224
SRR	0.81	1.19	1.06	1.04
<b>HODGKIN'S DISEASE</b>				
STUDY OBS	0	10	14	17
SRR	0.00	1.08	1.16	1.28
CNTRL OBS	1	16	10	15
SRR	0.34	1.48	0.70	0.97
<b>OTHER LYMPHOMA</b>				
STUDY OBS	1	5	7	8
SRR	0.97	1.06	0.90	0.88
CNTRL OBS	2	3	6	10
SRR	1.65	0.55	0.66	0.94
<b>MULTIPLE MYELOMA</b>				
STUDY OBS	0	0	0	1
SRR	0.00	0.00	0.00	1.25
CNTRL OBS	0	0	2	3
SRR	0.00	0.00	5.79	3.17
<b>DIGESTIVE ORGANS</b>				
STUDY OBS	1	6	12	12
SRR	0.43	0.60	0.87	0.78
CNTRL OBS	1	17	11	12
SRR	0.36	1.48	0.68	0.67
<b>STOMACH</b>				
STUDY OBS	0	0	2	1
SRR	0.00	0.00	1.36	0.67
CNTRL OBS	0	1	2	2
SRR	0.00	0.85	1.18	1.15

Age at diagnosis: 20 to 39

Duane Arnold (1974)  
Benton, IA ; Linn, IA

	1965-69	1970-74	1975-79	1980-84
<b>COLON &amp; RECTUM</b>				
STUDY OBS	1	4	8	8
SRR	0.72	0.62	0.83	0.83
CNTRL OBS	0	10	8	10
SRR	0.00	1.33	0.71	0.89
<b>LIVER (PRIMARY)</b>				
STUDY OBS	0	1	0	1
SRR	0.00	1.14	0.00	1.43
CNTRL OBS	0	3	0	0
SRR	0.00	2.92	0.00	0.00
<b>TRACHEA, BRONCHUS, LUNG</b>				
STUDY OBS	0	5	3	3
SRR	0.00	1.34	0.59	0.77
CNTRL OBS	2	4	3	7
SRR	1.28	0.94	0.52	1.53
<b>BREAST (FEHALE)</b>				
STUDY OBS	3	13	33	43
SRR	1.22	0.92	1.18	1.29
CNTRL OBS	1	11	38	37
SRR	0.35	0.68	1.19	0.97
<b>THYROID</b>				
STUDY OBS	0	9	13	16
SRR	0.00	1.08	1.01	1.10
CNTRL OBS	1	18	24	21
SRR	0.49	1.88	1.59	1.24
<b>BONES &amp; JOINTS</b>				
STUDY OBS	0	0	3	1
SRR	0.00	0.00	1.63	0.68
CNTRL OBS	0	1	3	2
SRR	0.00	1.06	1.37	1.16
<b>BLADDER</b>				
STUDY OBS	1	4	0	4
SRR	2.23	1.61	0.00	1.08
CNTRL OBS	0	5	7	4
SRR	0.00	1.74	2.60	0.93
<b>BRAIN &amp; OTHER C.N.S.</b>				
STUDY OBS	1	7	12	6
SRR	0.92	1.35	1.25	0.58
CNTRL OBS	2	10	8	18
SRR	1.56	1.65	0.70	1.49

Table 2-U.20(INC)

Age at diagnosis: 40 to 59		Duane Arnold (1974)		Benton, IA ; Linn, IA	
		YEARS BEFORE STARTUP		YEARS AFTER STARTUP	
		1965-69	1970-74	1975-79	1980-84
LEUKEMIA & ALEUKEMIA					
STUDY	ONS	2	11	26	21
	SRR	0.58	0.87	1.49	1.11
CNTRL	ONS	5	12	21	25
	SRR	1.07	0.72	0.91	1.01
ALL CANCER, EXCL. LEUK					
STUDY	ONS	165	645	816	781
	SRR	1.08	1.16	1.11	1.05
CNTRL	ONS	215	786	1024	1041
	SRR	1.18	1.05	1.06	1.07
HODGKIN'S DISEASE					
STUDY	ONS	3	9	9	8
	SRR	1.92	1.51	1.85	1.79
CNTRL	ONS	3	6	8	6
	SRR	1.45	0.76	1.27	1.04
OTHER LYMPHOMA					
STUDY	ONS	6	19	30	33
	SRR	1.16	0.99	1.13	1.14
CNTRL	ONS	11	27	46	40
	SRR	1.58	1.06	1.31	1.05
MULTIPLE MYELOMA					
STUDY	ONS	1	2	6	9
	SRR	1.03	0.45	0.82	1.31
CNTRL	ONS	2	4	7	8
	SRR	1.52	0.69	0.73	0.88
DIGESTIVE ORGANS					
STUDY	ONS	29	122	149	136
	SRR	1.04	1.11	1.06	0.91
CNTRL	ONS	51	162	186	200
	SRR	1.36	1.10	0.99	1.02
STOMACH					
STUDY	ONS	2	12	15	10
	SRR	0.78	1.30	1.36	0.91
CNTRL	ONS	5	12	5	18
	SRR	1.44	0.96	0.35	1.26

Age at diagnosis: 40 to 59

Duane Arnold (1974)  
Benton, IA ; Linn, IA

1965-69 1970-74 1975-79 1980-84

## COLON &amp; RECTUM

STUDY OBS 18 89 96 91

SRR 0.96 1.20 0.97 0.89

CNTRL OBS 33 117 135 143

SRR 1.30 1.18 1.02 1.06

## LIVER (PRIMARY)

STUDY OBS 1 0 5 5

SRR 1.12 0.00 1.96 1.73

CNTRL OBS 0 4 3 4

SRR 0.00 1.25 0.92 1.05

## TRACHEA, BRONCHUS, LUNG

STUDY OBS 25 93 127 126

SRR 1.31 1.17 1.13 1.04

CNTRL OBS 34 109 160 176

SRR 1.32 1.03 1.08 1.11

## BREAST (FEMALE)

STUDY OBS 15 98 167 164

SRR 1.04 1.08 1.14 1.13

CNTRL OBS 21 116 228 206

SRR 1.07 0.95 1.18 1.09

## THYROID

STUDY OBS 1 8 14 11

SRR 0.69 1.36 1.38 1.11

CNTRL OBS 3 11 18 13

SRR 1.53 1.42 1.37 1.03

## BONES &amp; JOINTS

STUDY OBS 1 1 2 1

SRR 7.64 1.06 1.18 0.80

CNTRL OBS 0 2 1 2

SRR 0.00 1.61 0.44 1.26

## BLADDER

STUDY OBS 5 34 41 32

SRR 1.23 1.64 1.60 1.11

CNTRL OBS 7 31 42 31

SRR 1.27 1.12 1.23 0.82

## BRAIN &amp; OTHER C.N.S.

STUDY OBS 2 13 27 18

SRR 0.67 1.15 1.72 1.00

CNTRL OBS 2 18 18 26

SRR 0.50 1.20 0.87 1.11

Table 2-C.20(INC)

Duane Arnold (1974)  
Benton, IA ; Linn, IA

Age at diagnosis: 60 plus

	YEARS BEFORE STARTUP			YEARS AFTER STARTUP	
	1965-69	1970-74		1975-79	1980-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>					
STUDY OBS	12	63		60	87
SRR	0.88	1.16		0.78	1.10
CNTRL OBS	20	82		136	125
SRR	0.92	0.96		1.13	1.03
<b>ALL CANCER, EXCL LEUK</b>					
STUDY OBS	298	1523		2251	2531
SRR	0.95	1.14		1.15	1.10
CNTRL OBS	491	2116		3238	3620
SRR	0.99	1.01		1.07	1.03
<b>HODGKIN'S DISEASE</b>					
STUDY OBS	2	5		6	5
SRR	0.89	0.82		0.94	0.84
CNTRL OBS	3	5		6	7
SRR	0.85	0.53		0.61	0.78
<b>OTHER LYMPHOMA</b>					
STUDY OBS	11	55		69	80
SRR	1.08	1.40		1.09	1.01
CNTRL OBS	16	46		112	122
SRR	0.99	0.75		1.14	1.00
<b>MULTIPLE MYELOMA</b>					
STUDY OBS	1	25		33	52
SRR	0.22	1.25		1.14	1.48
CNTRL OBS	9	27		47	55
SRR	1.23	0.86		1.04	1.02
<b>DIGESTIVE ORGANS</b>					
STUDY OBS	95	440		641	692
SRR	0.99	1.10		1.14	1.07
CNTRL OBS	160	635		959	1020
SRR	1.05	1.01		1.09	1.03
<b>STOMACH</b>					
STUDY OBS	7	51		54	44
SRR	0.54	1.12		1.08	0.90
CNTRL OBS	19	71		83	68
SRR	0.92	0.99		1.06	0.90

Age at diagnosis: 60 plus

Duane Arnold (1974)  
Benton, IA ; Linn, IA

1965-69 1970-74 1975-79 1980-84

## COLON &amp; RECTUM

STUDY OBS

70

289

458

511

SRR

1.12

1.11

1.16

1.11

CNTRL OBS

105

412

699

734

SRR

1.07

1.01

1.13

1.04

## LIVER (PRIMARY)

STUDY OBS

1

7

7

14

SRR

0.58

0.84

0.70

1.28

CNTRL OBS

4

16

15

19

SRR

1.46

1.22

0.96

1.14

## TRACHEA, BRONCHUS, LUNG

STUDY OBS

39

224

336

403

SRR

1.10

1.34

1.22

1.16

CNTRL OBS

59

278

466

546

SRR

1.04

1.06

1.10

1.04

## BREAST (FEMALE)

STUDY OBS

13

150

275

315

SRR

0.66

1.12

1.13

1.11

CNTRL OBS

30

221

401

458

SRR

0.98

1.07

1.07

1.06

## THYROID

STUDY OBS

1

4

13

3

SRR

0.69

0.78

1.86

0.31

CNTRL OBS

3

8

8

9

SRR

1.32

1.01

0.74

0.61

## BONES &amp; JOINTS

STUDY OBS

0

1

0

3

SRR

0.00

0.70

0.00

1.41

CNTRL OBS

1

3

4

4

SRR

2.09

1.37

0.92

1.24

## BLADDER

STUDY OBS

15

89

163

153

SRR

0.81

1.20

1.39

1.16

CNTRL OBS

25

143

190

190

SRR

0.84

1.21

1.03

0.94

## BRAIN &amp; OTHER C.N.S.

STUDY OBS

4

20

25

22

SRR

1.34

1.96

1.45

0.91

CNTRL OBS

4

10

45

37

SRR

0.86

0.64

1.72

1.02



Table 2-C.20(INC)

Duane Arnold (1974)  
Benton, IA ; Linn, IA

Age at diagnosis: all

	YEARS BEFORE STARTUP		YEARS AFTER STARTUP	
	1965-69	1970-74	1975-79	1980-84
LEUKEMIA & ALEUKEMIA				
STUDY OBS	14	90	113	131
SRR	0.68	1.10	0.99	1.13
CNTRL OBS	29	111	182	173
SRR	0.94	0.91	1.07	1.02
ALL CANCER, EXCL LEUK				
STUDY OBS	466	2309	3277	3566
SRR	0.97	1.14	1.13	1.09
CNTRL OBS	737	3102	4516	4928
SRR	1.03	1.03	1.06	1.03
HODGKIN'S DISEASE				
STUDY OBS	7	25	36	37
SRR	0.96	1.04	1.25	1.33
CNTRL OBS	8	33	31	35
SRR	0.81	1.03	0.82	0.97
OTHER LYMPHOMA				
STUDY OBS	18	82	108	125
SRR	1.05	1.25	1.09	1.03
CNTRL OBS	30	79	166	177
SRR	1.18	0.83	1.15	1.01
MULTIPLE MYELOMA				
STUDY OBS	2	27	39	62
SRR	0.36	1.10	1.06	1.44
CNTRL OBS	11	31	56	66
SRR	1.27	0.83	1.02	1.03
DIGESTIVE ORGANS				
STUDY OBS	125	571	803	842
SRR	0.99	1.09	1.11	1.04
CNTRL OBS	212	816	1158	1233
SRR	1.10	1.03	1.07	1.02
STOMACH				
STUDY OBS	9	63	71	55
SRR	0.57	1.13	1.13	0.90
CNTRL OBS	24	84	90	88
SRR	0.98	0.98	0.95	0.96

Duane Arnold (1974)  
Benton, IA ; Linn, IA

Age at diagnosis: all

	1965-69	1970-74	1975-79	1980-84
<b>COLON &amp; RECTUM</b>				
STUDY OBS	89	382	562	610
SRR	1.08	1.12	1.12	1.06
CNTRL OBS	138	540	842	887
SRR	1.10	1.05	1.11	1.04
<b>LIVER (PRIMARY)</b>				
STUDY OBS	2	10	12	21
SRR	0.67	0.83	0.88	1.40
CNTRL OBS	4	23	19	24
SRR	0.90	1.28	0.94	1.10
<b>TRACHEA, BRONCHUS, LUNG</b>				
STUDY OBS	64	322	466	532
SRR	1.14	1.29	1.19	1.13
CNTRL OBS	95	392	631	729
SRR	1.13	1.05	1.09	1.06
<b>BREAST (FEMALE)</b>				
STUDY OBS	31	261	475	522
SRR	0.84	1.09	1.14	1.13
CNTRL OBS	52	348	667	701
SRR	0.98	1.01	1.11	1.06
<b>THYROID</b>				
STUDY OBS	2	21	42	35
SRR	0.41	1.04	1.32	0.97
CNTRL OBS	7	37	51	44
SRR	1.07	1.40	1.23	0.94
<b>BONES &amp; JOINTS</b>				
STUDY OBS	2	4	6	9
SRR	1.76	0.76	0.66	1.20
CNTRL OBS	1	8	11	10
SRR	0.65	1.10	0.88	0.98
<b>BLADDER</b>				
STUDY OBS	21	128	204	189
SRR	0.91	1.31	1.40	1.15
CNTRL OBS	32	179	240	225
SRR	0.89	1.20	1.09	0.92
<b>BRAIN &amp; OTHER C.N.S.</b>				
STUDY OBS	7	51	71	60
SRR	0.85	1.54	1.41	1.01
CNTRL OBS	8	50	81	91
SRR	0.69	1.10	1.17	1.11



Age at death: under 10

Hatch 1,2 (1974)  
Appling, GA ; Toombs, GA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM								
STUDY OBS	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
LIVER (PRIMARY)								
STUDY OBS	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BREAST (FEMALE)								
STUDY OBS	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
THYROID								
STUDY OBS	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BONES & JOINTS								
STUDY OBS	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BLADDER								
STUDY OBS	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BRAIN & OTHER C.N.S.								
STUDY OBS	0	1	1	0	0	0	0	
SMR	0.00	1.52	1.58	0.00	0.00	0.00	0.00	
CNTRL OBS	3	4	0	2	2	1	1	
SMR	1.29	1.71	0.00	1.19	1.45	0.93	0.96	
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	1	0	0	
SMR	0.00	0.00	0.00	0.00	1.57	0.00	0.00	







Table 2-C.21

		Hatch 1,2 (1974) Appling, GA ; Toombs, GA						
		YEARS BEFORE STARTUP			YEARS AFTER STARTUP			
Age at death: 20 to 39		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
LEUKEMIA & ALEUKEMIA								
STUDY	OBS	0	0	1	5	2	1	2
	SMR	0.00	0.00	1.35	6.64	2.40	1.05	1.96
CNTRL	OBS	3	2	3	3	2	3	1
	SMR	0.92	0.64	1.08	1.11	0.68	0.91	0.28
ALL CANCER, EXCL LEUK								
STUDY	OBS	10	10	8	6	6	10	14
	SMR	1.12	1.28	1.12	0.87	0.85	1.33	1.72
CNTRL	OBS	34	27	36	13	25	26	25
	SMR	1.05	0.93	1.35	0.52	1.02	1.03	0.89
HODGKIN'S DISEASE								
STUDY	OBS	0	0	0	0	0	1	3
	SMR	0.00	0.00	0.00	0.00	0.00	2.08	7.06
CNTRL	OBS	3	2	1	1	0	4	1
	SMR	1.24	0.86	0.44	0.45	0.00	2.42	0.66
OTHER LYMPHOMA								
STUDY	OBS	0	1	1	1	1	1	0
	SMR	0.00	2.61	2.59	2.55	2.43	2.16	0.00
CNTRL	OBS	1	1	0	1	0	1	2
	SMR	0.64	0.70	0.00	0.71	0.00	0.63	1.03
MULTIPLE MYELOMA								
STUDY	OBS	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	2	0
	SMR	0.00	0.00	0.00	0.00	0.00	16.04	0.00
DIGESTIVE ORGANS								
STUDY	OBS	2	3	1	1	1	0	1
	SMR	1.14	2.09	0.81	0.90	0.90	0.00	0.80
CNTRL	OBS	6	5	5	2	8	1	6
	SMR	0.93	0.93	1.08	0.50	2.09	0.25	1.37
STOMACH								
STUDY	OBS	0	1	1	1	1	0	1
	SMR	0.00	3.01	3.66	4.63	4.86	0.00	4.56
CNTRL	OBS	3	1	4	1	1	0	2
	SMR	1.90	0.80	3.91	1.29	1.41	0.00	2.60



Table 2-C.21

Age at death: 40 to 59		Hatch 1,2 (1974) Appling, GA ; Toombs, GA						
		YEARS BEFORE STARTUP		YEARS AFTER STARTUP				
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
LEUKEMIA & ALEUKEMIA								
STUDY	OBS	1	0	3	5	2	1	2
	SMR	0.55	0.00	1.53	2.52	1.03	0.50	0.99
CNTRL	OBS	9	4	12	5	4	5	3
	SMR	1.49	0.60	1.74	0.71	0.58	0.73	0.42
ALL CANCER, EXCL LEUK								
STUDY	OBS	43	53	51	53	69	64	64
	SMR	0.82	0.95	0.87	0.84	1.03	0.93	0.94
CNTRL	OBS	144	174	179	213	228	209	245
	SMR	0.83	0.91	0.87	0.96	0.97	0.88	1.00
HODGKIN'S DISEASE								
STUDY	OBS	0	2	0	0	0	1	0
	SMR	0.00	2.66	0.00	0.00	0.00	2.24	0.00
CNTRL	OBS	0	2	1	1	0	0	0
	SMR	0.00	0.77	0.37	0.36	0.00	0.00	0.00
OTHER LYMPHOMA								
STUDY	OBS	3	1	2	1	1	1	3
	SMR	2.42	0.68	1.21	0.54	0.52	0.53	1.50
CNTRL	OBS	2	3	2	6	4	3	5
	SMR	0.49	0.59	0.34	0.91	0.59	0.46	0.70
MULTIPLE MYELOMA								
STUDY	OBS	0	1	0	1	2	1	2
	SMR	0.00	1.46	0.00	1.32	2.30	1.06	2.12
CNTRL	OBS	0	3	4	0	3	1	3
	SMR	0.00	1.28	1.47	0.00	0.98	0.31	0.89
DIGESTIVE ORGANS								
STUDY	OBS	13	14	13	16	13	8	13
	SMR	0.76	0.84	0.79	0.98	0.82	0.52	0.88
CNTRL	OBS	43	43	40	38	44	40	49
	SMR	0.76	0.76	0.70	0.66	0.78	0.74	0.92
STOMACH								
STUDY	OBS	2	3	2	5	3	0	1
	SMR	0.43	0.77	0.61	1.77	1.22	0.00	0.51
CNTRL	OBS	10	9	12	7	11	7	9
	SMR	0.65	0.67	1.04	0.70	1.26	0.94	1.29

Hatch 1,2 (1974)  
Appling, GA ; Toombs, GA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM	STUDY OBS	2	5	5	5	4	1	4	
	SMR	0.31	0.78	0.78	0.76	0.60	0.15	0.65	
	CNTRL OBS	14	17	9	13	16	12	16	
	SMR	0.66	0.78	0.40	0.57	0.68	0.53	0.73	
LIVER (PRIMARY)	STUDY OBS	3	2	1	0	1	1	0	
	SMR	1.38	1.02	0.54	0.00	1.04	1.13	0.00	
	CNTRL OBS	6	4	4	3	5	2	3	
	SMR	0.84	0.60	0.62	0.55	1.46	0.65	0.90	
TRACHEA, BRONCHUS, LUNG	STUDY OBS	5	13	8	14	15	28	17	
	SMR	0.74	1.49	0.73	1.00	0.85	1.39	0.81	
	CNTRL OBS	14	24	37	66	74	77	94	
	SMR	0.63	0.80	0.96	1.33	1.19	1.10	1.23	
BREAST (FEMALE)	STUDY OBS	3	4	7	4	5	6	3	
	SMR	0.46	0.55	0.90	0.47	0.55	0.65	0.33	
	CNTRL OBS	16	15	20	24	26	19	22	
	SMR	0.74	0.61	0.74	0.80	0.81	0.60	0.68	
THYROID	STUDY OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL OBS	0	1	0	1	0	1	0	
	SMR	0.00	1.41	0.00	1.58	0.00	1.91	0.00	
BONES & JOINTS	STUDY OBS	1	0	1	0	1	0	0	
	SMR	2.29	0.00	3.14	0.00	3.62	0.00	0.00	
	CNTRL OBS	1	1	2	1	0	0	1	
	SMR	0.69	0.76	1.79	1.01	0.00	0.00	2.01	
BLADDER	STUDY OBS	1	1	0	1	3	1	0	
	SMR	0.93	1.00	0.00	1.12	3.55	1.31	0.00	
	CNTRL OBS	4	3	2	0	3	1	2	
	SMR	1.13	0.88	0.61	0.00	1.01	0.38	0.86	
BRAIN & OTHER C.N.S.	STUDY OBS	4	1	2	0	1	2	2	
	SMR	2.52	0.56	1.02	0.00	0.42	0.89	0.93	
	CNTRL OBS	8	5	4	13	6	6	11	
	SMR	1.53	0.81	0.58	1.92	0.71	0.77	1.44	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL OBS	0	0	0	0	4	0	2	
	SMR	0.00	0.00	0.00	0.00	1.04	0.00	2.60	

Age at death: 60 plus

Age at death: 60 plus		Hatch 1,2 (1974) Appling, GA ; Toombs, GA						
		YEARS BEFORE STARTUP			YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
LEUKEMIA & ALEUKEMIA								
STUDY	OBS	5	2	2	7	7		8
	SMR	1.84	0.54	0.44	1.25	1.03	0.78	0.91
		8	12	14	15	17	27	38
CNTRL	OBS	0.89	0.98	0.92	0.81	0.80	1.08	1.25
	SMR							
ALL CANCER, EXCL LEUK								
STUDY	OBS	60	74	82	121	147	156	242
	SMR	0.66	0.69	0.66	0.81	0.79	0.71	0.95
		233	249	317	432	503	636	792
CNTRL	OBS	0.77	0.70	0.77	0.89	0.87	0.89	0.90
	SMR							
HODGKIN'S DISEASE								
STUDY	OBS	2	0	0	2	0	2	0
	SMR	3.64	0.00	0.00	2.32	0.00	2.69	0.00
		3	0	3	1	2	1	1
CNTRL	OBS	1.64	0.00	1.21	0.35	0.68	0.41	0.43
	SMR							
OTHER LYMPHOMA								
STUDY	OBS	1	1	2	2	4	3	3
	SMR	0.69	0.47	0.71	0.53	0.81	0.51	0.40
		1	6	9	19	18	14	17
CNTRL	OBS	0.21	0.85	0.97	1.54	1.17	0.72	0.65
	SMR							
MULTIPLE MYELOMA								
STUDY	OBS	0	0	0	1	2	2	6
	SMR	0.00	0.00	0.00	0.46	0.63	0.49	1.21
		3	3	2	4	4	14	16
CNTRL	OBS	1.39	0.79	0.39	0.56	0.40	1.05	0.94
	SMR							
DIGESTIVE ORGANS								
STUDY	OBS	15	26	24	32	36	33	63
	SMR	0.37	0.58	0.48	0.58	0.58	0.48	0.85
		85	74	107	120	144	183	187
CNTRL	OBS	0.63	0.50	0.66	0.67	0.74	0.82	0.73
	SMR							
STOMACH								
STUDY	OBS	4	6	4	4	8	4	12
	SMR	0.32	0.51	0.36	0.38	0.78	0.40	1.22
		31	15	23	21	23	26	21
CNTRL	OBS	0.75	0.38	0.61	0.61	0.72	0.80	0.62
	SMR							

Age at death: 60 plus

Hatch 1,2 (1974)  
Appling, GA ; Toombs, GA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM								
	6	9	7	13	11	12	31	
	0.38	0.49	0.33	0.53	0.37	0.36	0.87	
CNTRL	18	28	49	47	58	81	88	
	0.35	0.47	0.71	0.59	0.64	0.75	0.72	
LIVER (PRIMARY)								
	2	4	1	3	3	2	6	
	0.40	0.75	0.17	0.60	0.92	0.58	1.52	
CNTRL	14	9	15	11	10	11	9	
	0.86	0.52	0.81	0.68	0.98	0.98	0.66	
TRACHEA, BRONCHUS, LUNG								
	9	10	10	18	34	47	87	
	1.10	0.80	0.56	0.70	0.89	0.91	1.32	
CNTRL	25	33	55	94	141	174	251	
	0.91	0.79	0.91	1.08	1.14	1.01	1.08	
BREAST (FEMALE)								
	2	3	2	5	9	11	11	
	0.30	0.37	0.21	0.43	0.62	0.67	0.57	
CNTRL	9	11	12	22	29	33	39	
	0.43	0.44	0.41	0.62	0.67	0.62	0.60	
THYROID								
	1	0	0	0	0	1	1	
	2.41	0.00	0.00	0.00	0.00	1.60	1.65	
CNTRL	0	1	1	2	1	1	3	
	0.00	0.63	0.59	1.14	0.53	0.50	1.46	
BONES & JOINTS								
	0	1	1	0	1	0	0	
	0.00	1.46	1.59	0.00	1.31	0.00	0.00	
CNTRL	6	4	4	3	1	6	2	
	2.50	1.76	1.93	1.36	0.42	2.72	1.46	
BLADDER								
	0	0	2	7	3	3	8	
	0.00	0.00	0.46	1.40	0.50	0.46	1.19	
CNTRL	11	10	5	15	13	13	19	
	0.97	0.77	0.34	0.90	0.68	0.60	0.81	
BRAIN & OTHER C.N.S.								
	2	0	2	1	1	2	1	
	3.08	0.00	1.60	0.60	0.33	0.50	0.22	
CNTRL	1	1	5	2	4	10	21	
	0.46	0.33	1.22	0.36	0.41	0.75	1.30	
BENIGN & UNSPEC NEOPLASMS								
	0	0	0	0	1	1	0	
	0.00	0.00	0.00	0.00	0.44	0.45	0.00	
CNTRL	0	0	0	0	5	14	1	
	0.00	0.00	0.00	0.00	0.70	1.93	0.32	



Age at death: all

		Hatch 1,2 (1974) Appling, GA ; Toombs, GA							
		YEARS BEFORE STARTUP		YEARS AFTER STARTUP					
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	8	3	8	18	16	8	13	
	SMR	1.03	0.35	0.86	1.77	1.43	0.67	1.01	
CNTRL	OBS	30	22	32	31	24	42	45	
	SMR	1.16	0.74	0.99	0.89	0.66	1.06	1.00	
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	114	140	143	184	225	233	322	
	SMR	0.73	0.80	0.74	0.83	0.86	0.79	0.97	
CNTRL	OBS	420	459	542	666	766	879	1069	
	SMR	0.81	0.78	0.83	0.90	0.90	0.89	0.92	
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	3	2	0	2	1	4	3	
	SMR	1.41	0.90	0.00	0.82	0.43	2.29	2.00	
CNTRL	OBS	6	4	6	4	2	5	2	
	SMR	0.83	0.52	0.74	0.47	0.26	0.84	0.38	
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	4	3	5	4	6	5	6	
	SMR	1.13	0.67	0.95	0.62	0.79	0.58	0.58	
CNTRL	OBS	4	10	12	28	22	18	26	
	SMR	0.34	0.66	0.67	1.29	0.89	0.63	0.72	
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	0	1	0	2	4	3	8	
	SMR	0.00	0.53	0.00	0.67	0.98	0.59	1.35	
CNTRL	OBS	3	6	6	4	7	17	19	
	SMR	0.76	0.95	0.75	0.40	0.54	1.02	0.92	
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	30	44	38	49	50	41	77	
	SMR	0.50	0.70	0.56	0.68	0.63	0.48	0.85	
CNTRL	OBS	134	122	152	160	196	224	242	
	SMR	0.68	0.58	0.67	0.67	0.77	0.80	0.77	
<b>STOMACH</b>									
STUDY	OBS	6	10	7	10	12	4	14	
	SMR	0.34	0.62	0.47	0.74	0.92	0.33	1.17	
CNTRL	OBS	44	25	39	29	35	33	32	
	SMR	0.75	0.46	0.78	0.64	0.84	0.81	0.77	

Age at death: all

Hatch 1,2 (1974)  
Appling, GA ; Toombs, GA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM								
STUDY OBS	10	15	12	18	15	13	35	
SMR	0.43	0.59	0.43	0.57	0.41	0.32	0.83	
CNTRL OBS	32	48	58	61	76	94	107	
SMR	0.42	0.57	0.62	0.58	0.65	0.71	0.73	
LIVER (PRIMARY)								
STUDY OBS	5	7	2	3	4	3	6	
SMR	0.67	0.93	0.26	0.45	0.91	0.67	1.18	
CNTRL OBS	20	13	19	14	16	13	12	
SMR	0.82	0.52	0.74	0.63	1.12	0.87	0.68	
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	16	23	18	32	49	76	107	
SMR	1.04	1.06	0.61	0.79	0.87	1.05	1.22	
CNTRL OBS	40	57	94	161	217	256	346	
SMR	0.78	0.77	0.93	1.16	1.15	1.04	1.11	
BREAST (FEMALE)								
STUDY OBS	5	8	9	9	15	18	16	
SMR	0.35	0.48	0.49	0.42	0.61	0.67	0.54	
CNTRL OBS	30	27	40	47	57	52	68	
SMR	0.64	0.50	0.66	0.68	0.73	0.59	0.67	
THYROID								
STUDY OBS	1	0	1	0	0	1	1	
SMR	1.48	0.00	1.32	0.00	0.00	1.25	1.33	
CNTRL OBS	0	2	2	3	1	2	3	
SMR	0.00	0.82	0.81	1.21	0.40	0.77	1.16	
BONES & JOINTS								
STUDY OBS	2	1	2	2	2	0	1	
SMR	1.20	0.65	1.46	1.47	1.38	0.00	1.13	
CNTRL OBS	8	6	8	6	2	8	5	
SMR	1.43	1.13	1.69	1.27	0.41	1.82	1.62	
BLADDER								
STUDY OBS	1	1	2	8	6	4	8	
SMR	0.22	0.20	0.38	1.35	0.87	0.54	1.08	
CNTRL OBS	15	13	7	15	16	14	21	
SMR	0.99	0.79	0.39	0.75	0.72	0.57	0.81	
BRAIN & OTHER C.N.S.								
STUDY OBS	8	3	7	3	3	8	3	
SMR	2.03	0.69	1.46	0.62	0.44	1.06	0.37	
CNTRL OBS	16	14	11	19	19	21	35	
SMR	1.21	0.93	0.65	1.12	0.82	0.82	1.24	
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	2	1	0	
SMR	0.00	0.00	0.00	0.00	0.50	0.29	0.00	
CNTRL OBS	0	0	0	0	10	14	3	
SMR	0.00	0.00	0.00	0.00	0.76	1.23	0.69	



		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM	STUDY OBS	2	0	1	0	0	0	0	
	SMR	11.32	0.00	8.81	0.00	0.00	0.00	0.00	
	CNTRL OBS	2	0	0	0	0	1	0	
	SMR	4.45	0.00	0.00	0.00	0.00	14.19	0.00	
LIVER (PRIMARY)	STUDY OBS	0	0	0	0	1	0	1	
	SMR	0.00	0.00	0.00	0.00	1.62	0.00	1.62	
	CNTRL OBS	1	2	2	3	3	2	1	
	SMR	0.63	1.26	1.09	2.36	2.51	2.17	0.92	
TRACHEA, BRONCHUS, LUNG	STUDY OBS	0	0	0	2	0	0	0	
	SMR	0.00	0.00	0.00	12.72	0.00	0.00	0.00	
	CNTRL OBS	0	0	0	2	0	0	0	
	SMR	0.00	0.00	0.00	6.05	0.00	0.00	0.00	
BREAST (FEMALE)	STUDY OBS	1	0	0	0	0	0	0	
	SMR	32.28	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL OBS	0	1	0	0	1	0	0	
	SMR	0.00	7.68	0.00	0.00	70.18	0.00	0.00	
THYROID	STUDY OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL OBS	0	0	0	1	0	0	0	
	SMR	0.00	0.00	0.00	24.13	0.00	0.00	0.00	
BONES & JOINTS	STUDY OBS	2	0	2	0	0	0	0	
	SMR	2.38	0.00	2.52	0.00	0.00	0.00	0.00	
	CNTRL OBS	2	4	6	4	0	0	1	
	SMR	0.94	1.85	3.30	2.30	0.00	0.00	1.42	
BLADDER	STUDY OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BRAIN & OTHER C.N.S.	STUDY OBS	4	7	8	2	6	6	3	
	SMR	0.48	0.70	0.76	0.25	0.94	1.23	0.63	
	CNTRL OBS	23	18	33	21	14	12	4	
	SMR	1.08	0.75	1.38	1.22	1.11	1.32	0.48	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	6	2	0	
	SMR	0.00	0.00	0.00	0.00	2.10	1.10	0.00	
	CNTRL OBS	0	0	0	0	3	8	0	
	SMR	0.00	0.00	0.00	0.00	0.54	2.40	0.00	

Age at death: 10 to 19

Peach Bottom 1,2,3 (1974)  
Lancaster, PA ; York, PA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	9	6	11	6	13		7	
	SMR	1.15	0.64	1.03	0.50	1.08		0.84	0.78
CNTRL	OBS	20	15	19	30	20		17	19
	SMR	0.97	0.64	0.75	1.11	0.77		0.78	1.12
ALL CANCER, EXCL LEUK									
STUDY	OBS	10	18	16	24	24		15	14
	SMR	0.66	1.02	0.80	1.06	1.08		0.80	0.87
CNTRL	OBS	45	46	59	38	56		39	16
	SMR	1.12	1.04	1.23	0.73	1.16		1.02	0.52
HODGKIN'S DISEASE									
STUDY	OBS	3	0	2	4	3		0	0
	SMR	1.86	0.00	0.85	1.67	1.70		0.00	0.00
CNTRL	OBS	6	5	4	6	4		0	3
	SMR	1.41	1.03	0.71	1.09	1.04		0.00	1.49
OTHER LYMPHOMA									
STUDY	OBS	1	6	1	5	4		2	1
	SMR	0.51	2.26	0.33	1.44	1.22		0.72	0.45
CNTRL	OBS	4	11	10	5	11		4	2
	SMR	0.77	1.65	1.36	0.63	1.55		0.70	0.47
MULTIPLE MYELOMA									
STUDY	OBS	0	0	0	0	0		0	0
	SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00
CNTRL	OBS	0	0	0	0	0		0	0
	SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00
DIGESTIVE ORGANS									
STUDY	OBS	0	0	3	1	1		2	0
	SMR	0.00	0.00	3.45	1.09	1.09		2.19	0.00
CNTRL	OBS	3	2	2	4	3		3	1
	SMR	1.13	0.96	0.96	1.90	1.50		1.62	0.72
STOMACH									
STUDY	OBS	0	0	0	0	0		0	0
	SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00
CNTRL	OBS	0	0	0	0	0		0	0
	SMR	0.00	0.00	0.00	0.00	0.00		0.00	0.00

Age at death: 10 to 19

Peach Bottom 1,2,3 (1974)  
Lancaster, PA ; York, PA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM	STUDY OBS	0	0	0	0	0			
	SMR	0.00	0.00	0.00	0.00	0.00	1	0	
	CNTRL OBS	1	2	0	3	2	3.11	0.00	
LIVER (PRIMARY)	SMR	0.75	2.56	0.00	4.99	3.10	1.53	0.00	
	STUDY OBS	0	0	1	1	1	1	0	
	SMR	0.00	0.00	3.30	2.44	3.04	2.50	0.00	
TRACHEA, BRONCHUS, LUNG	CNTRL OBS	1	0	2	0	0	0	1	
	SMR	1.95	0.00	2.76	0.00	0.00	0.00	1.46	
	STUDY OBS	0	0	0	0	0	0	0	
BREAST (FEMALE)	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL OBS	0	0	4	0	0	0	0	
	SMR	0.00	0.00	10.28	0.00	0.00	0.00	0.00	
THYROID	STUDY OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL OBS	0	0	0	0	0	0	0	
BONES & JOINTS	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	STUDY OBS	2	3	4	2	2	2	2	
	SMR	0.69	0.91	1.11	0.48	0.46	0.59	0.69	
BLADDER	CNTRL OBS	7	7	6	8	15	9	2	
	SMR	0.91	0.84	0.69	0.83	1.59	1.31	0.36	
	STUDY OBS	0	0	0	0	0	0	0	
BRAIN & OTHER C.N.S.	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	2	5	2	5	5	5	4	
	SMR	0.54	1.12	0.38	0.96	0.86	1.01	0.98	
	CNTRL OBS	8	11	22	4	7	8	4	
	SMR	0.82	0.98	1.75	0.34	0.56	0.80	0.52	
	STUDY OBS	0	0	0	0	5	2	0	
	SMR	0.00	0.00	0.00	0.00	2.19	1.40	0.00	
	CNTRL OBS	0	0	0	0	11	5	1	
	SMR	0.00	0.00	0.00	0.00	2.23	1.73	3.62	



Age at death: 20 to 39

Peach Bottom 1,2,3 (1974)  
Lancaster, PA ; York, PA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
LEUKEMIA & ALEUKEMIA								
	STUDY	15	19	12	16	12	13	26
	OBS	1.01	1.23	0.80	1.06	0.75		1.32
	SMR	0.95	0.91	0.88	0.69	1.08	0.83	1.16
ALL CANCER, EXCL LEUK								
	STUDY	133	122	149	115	125	137	131
	OBS	1.00	0.90	1.10	0.88	0.96	1.03	0.89
	SMR	1.03	1.10	0.93	1.12	0.93	1.09	1.07
HODGKIN'S DISEASE								
	STUDY	13	10	20	17	19	10	14
	OBS	1.11	0.81	1.52	1.27	1.54	1.04	1.60
	SMR	0.93	1.15	0.95	1.46	1.08	0.83	1.08
OTHER LYMPHOMA								
	STUDY	7	4	9	7	8	12	11
	OBS	1.00	0.56	1.15	0.89	0.98	1.37	1.05
	SMR	0.93	0.97	1.08	0.78	1.25	0.97	1.16
MULTIPLE MYELOMA								
	STUDY	1	0	0	0	2	0	1
	OBS	1.88	0.00	0.00	0.00	4.28	0.00	1.58
	SMR	1.34	0.61	0.73	0.00	0.00	1.94	0.88
DIGESTIVE ORGANS								
	STUDY	28	18	23	21	16	22	8
	OBS	1.10	0.76	1.06	1.06	0.85	1.16	0.39
	SMR	1.22	1.12	0.90	1.28	1.05	1.05	1.06
STOMACH								
	STUDY	6	1	2	2	0	3	1
	OBS	1.04	0.20	0.46	0.58	0.00	1.01	0.30
	SMR	1.30	0.67	0.47	1.19	0.32	0.90	0.84

Age at death: 20 to 39

Peach Bottom 1,2,3 (1974)  
Lancaster, PA ; York, PA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM	STUDY OBS	15	12	15	15	11	13	3	
	SMR	1.17	1.00	1.40	1.53	1.19	1.37	0.30	
	CNTRL OBS	41	36	30	29	21	21	21	
	SMR	1.14	1.15	1.16	1.36	1.15	1.18	1.18	
LIVER (PRIMARY)	STUDY OBS	5	1	2	1	1	1	1	
	SMR	1.93	0.43	0.96	0.52	0.60	0.55	0.44	
	CNTRL OBS	11	14	4	4	5	1	7	
	SMR	1.52	2.30	0.80	0.97	1.53	0.29	1.73	
TRACHEA, BRONCHUS, LUNG	STUDY OBS	8	11	10	6	7	10	7	
	SMR	1.11	1.21	0.93	0.50	0.55	0.79	0.52	
	CNTRL OBS	16	22	31	23	19	17	23	
	SMR	0.79	0.92	1.18	0.88	0.76	0.72	0.96	
BREAST (FEMALE)	STUDY OBS	16	20	27	10	16	17	29	
	SMR	0.90	1.06	1.40	0.55	0.88	0.88	1.20	
	CNTRL OBS	56	61	42	38	33	45	41	
	SMR	1.12	1.22	0.88	0.94	0.90	1.23	0.94	
THYROID	STUDY OBS	2	1	1	0	0	0	2	
	SMR	4.41	2.09	2.19	0.00	0.00	0.00	5.44	
	CNTRL OBS	1	1	0	2	2	1	1	
	SMR	0.79	0.80	0.00	2.13	2.66	1.66	1.51	
BONES & JOINTS	STUDY OBS	3	2	6	1	3	4	5	
	SMR	1.08	0.79	2.62	0.46	1.16	1.39	1.66	
	CNTRL OBS	12	4	5	8	5	11	5	
	SMR	1.58	0.63	0.95	1.73	0.98	1.99	0.92	
BLADDER	STUDY OBS	0	1	1	0	0	0	1	
	SMR	0.00	1.86	1.93	0.00	0.00	0.00	2.00	
	CNTRL OBS	3	1	1	1	0	0	2	
	SMR	1.46	0.70	0.79	1.02	0.00	0.00	2.23	
BRAIN & OTHER C.N.S.	STUDY OBS	6	6	6	11	15	10	13	
	SMR	0.51	0.49	0.48	0.99	1.15	0.77	0.89	
	CNTRL OBS	39	32	22	25	24	27	33	
	SMR	1.20	1.01	0.75	1.06	0.93	1.10	1.25	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	6	4	4	
	SMR	0.00	0.00	0.00	0.00	1.15	1.03	3.28	
	CNTRL OBS	0	0	0	0	9	6	1	
	SMR	0.00	0.00	0.00	0.00	0.88	0.82	0.46	

Age at death: 40 to 59

Peach Bottom 1,2,3 (1974)  
Lancaster, PA ; York, PA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	29	31	41	37	36	30	45	
	SMR	0.86	0.86	1.10	0.96	0.94	0.76	1.14	
CNTRL	OBS	75	77	103	112	100	94	84	
	SMR	0.83	0.82	1.07	1.13	1.04	1.03	0.99	
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	874	930	978	1125	1167	1189	1222	
	SMR	0.99	0.98	0.96	1.00	0.95	0.94	0.96	
CNTRL	OBS	2412	2377	2566	2942	2991	2855	2674	
	SMR	1.03	0.97	0.98	1.02	0.97	0.95	0.96	
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	11	8	17	17	18	13	5	
	SMR	0.85	0.55	1.14	1.06	1.31	1.45	0.72	
CNTRL	OBS	41	28	42	51	45	27	17	
	SMR	1.19	0.73	1.08	1.25	1.33	1.32	1.17	
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	27	31	38	42	37	38	39	
	SMR	1.16	1.10	1.16	1.10	0.93	0.97	0.94	
CNTRL	OBS	71	66	59	91	87	101	94	
	SMR	1.14	0.90	0.70	0.93	0.88	1.10	1.04	
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	7	6	12	13	16	12	13	
	SMR	0.88	0.57	1.01	1.12	1.15	0.78	0.84	
CNTRL	OBS	25	13	23	37	34	31	29	
	SMR	1.17	0.48	0.75	1.24	0.97	0.85	0.85	
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	266	271	270	262	286	295	262	
	SMR	0.96	1.00	0.99	0.95	1.03	1.08	1.00	
CNTRL	OBS	791	743	700	771	718	699	605	
	SMR	1.06	1.05	1.00	1.08	1.03	1.08	1.05	
<b>STOMACH</b>									
STUDY	OBS	50	38	38	36	33	32	25	
	SMR	0.75	0.68	0.78	0.84	0.83	0.90	0.75	
CNTRL	OBS	187	169	134	143	107	88	75	
	SMR	1.03	1.15	1.07	1.29	1.07	1.05	1.04	

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM	STUDY OBS	119	144	128	145	152	164	128	
	SMR	1.02	1.22	1.07	1.17	1.20	1.29	1.08	
	CNTRL OBS	354	318	329	345	355	380	289	
	SMR	1.13	1.04	1.07	1.08	1.11	1.26	1.11	
LIVER (PRIMARY)	STUDY OBS	41	37	34	23	5	10	14	
	SMR	1.19	1.20	1.15	0.95	0.33	0.71	0.94	
	CNTRL OBS	97	96	80	87	40	24	32	
	SMR	1.05	1.20	1.06	1.40	1.05	0.72	0.98	
TRACHEA, BRONCHUS, LUNG	STUDY OBS	112	155	162	210	251	289	338	
	SMR	0.95	1.00	0.82	0.83	0.78	0.77	0.84	
	CNTRL OBS	275	369	437	590	669	732	762	
	SMR	0.86	0.91	0.86	0.90	0.82	0.83	0.86	
BREAST (FEMALE)	STUDY OBS	115	115	140	182	183	187	182	
	SMR	0.95	0.86	0.95	1.09	1.03	1.04	1.05	
	CNTRL OBS	308	308	408	450	471	400	368	
	SMR	0.98	0.89	1.08	1.05	1.06	0.94	0.97	
THYROID	STUDY OBS	3	3	2	1	2	3	1	
	SMR	0.78	0.81	0.59	0.32	0.68	1.05	0.41	
	CNTRL OBS	12	12	11	14	6	8	4	
	SMR	1.17	1.25	1.28	1.75	0.82	1.19	0.75	
BONES & JOINTS	STUDY OBS	8	6	5	6	8	4	6	
	SMR	1.09	0.91	0.90	1.16	1.60	0.94	2.28	
	CNTRL OBS	17	28	15	10	16	13	3	
	SMR	0.87	1.63	1.05	0.75	1.28	1.30	0.53	
BLADDER	STUDY OBS	14	14	15	10	11	17	12	
	SMR	0.82	0.89	1.00	0.67	0.73	1.17	0.94	
	CNTRL OBS	55	40	46	44	51	33	28	
	SMR	1.19	0.97	1.20	1.14	1.33	0.96	0.99	
BRAIN & OTHER C.N.S.	STUDY OBS	32	33	33	37	47	33	55	
	SMR	1.00	0.91	0.81	0.91	0.94	0.70	1.21	
	CNTRL OBS	76	75	106	101	114	106	83	
	SMR	0.89	0.79	1.01	0.97	0.92	0.97	0.85	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	25	13	2	
	SMR	0.00	0.00	0.00	0.00	1.29	0.96	0.55	
	CNTRL OBS	0	0	0	0	49	30	8	
	SMR	0.00	0.00	0.00	0.00	1.02	0.95	1.03	

Age at death: 60 plus

Peach Bottom 1,2,3 (1974)  
Lancaster, PA ; York, PA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY OBS	71		91	120	105	127	156	188	
SHR	0.98		0.96	1.06	0.80	0.90	0.98	1.02	
CNTRL OBS	172		222	233	313	283	343	421	
SHR	0.93		0.93	0.84	1.01	0.88	0.96	1.02	
<b>ALL CANCER, EXCL LEUK</b>									
STUDY OBS	2170		2400	2677	2999	3509	4387	4955	
SHR	0.96		0.95	0.96	0.96	0.99	1.06	1.02	
CNTRL OBS	5793		6579	7073	7620	8287	9412	11155	
SHR	1.03		1.05	1.03	1.03	1.02	1.00	1.01	
<b>HODGKIN'S DISEASE</b>									
STUDY OBS	13		13	12	20	19	20	10	
SHR	0.91		0.79	0.67	1.02	0.97	1.32	0.73	
CNTRL OBS	37		38	47	63	39	32	24	
SHR	1.01		0.91	1.06	1.35	0.87	0.92	0.76	
<b>OTHER LYMPHOMA</b>									
STUDY OBS	45		60	81	97	104	125	182	
SHR	1.18		1.13	1.19	1.12	1.00	1.01	1.12	
CNTRL OBS	101		114	182	197	235	289	355	
SHR	1.03		0.84	1.08	0.96	0.99	1.03	0.97	
<b>MULTIPLE MYELOMA</b>									
STUDY OBS	16		11	32	40	53	81	105	
SHR	1.08		0.45	0.99	0.95	0.97	1.17	1.24	
CNTRL OBS	38		42	74	106	125	166	210	
SHR	0.98		0.66	0.92	1.06	0.99	1.06	1.09	
<b>DIGESTIVE ORGANS</b>									
STUDY OBS	935		997	1068	1069	1225	1399	1493	
SHR	0.92		0.93	0.96	0.93	1.03	1.08	1.05	
CNTRL OBS	2833		2953	2882	2983	3007	3042	3363	
SHR	1.13		1.12	1.06	1.10	1.11	1.04	1.06	
<b>STOMACH</b>									
STUDY OBS	208		205	162	140	130	151	139	
SHR	0.72		0.78	0.69	0.69	0.72	0.87	0.82	
CNTRL OBS	847		771	668	581	478	460	445	
SHR	1.17		1.18	1.16	1.21	1.15	1.19	1.17	

Age at death: 60 plus

Peach Bottom 1,2,3 (1974)  
Lancaster, PA ; York, PA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
<b>COLON &amp; RECTUM</b>							
STUDY OBS	437	495	579	577	701	841	830
SMR	1.05	1.07	1.15	1.06	1.18	1.28	1.16
<b>CNTRL OBS</b>	1138	1247	1292	1411	1522	1543	1725
SMR	1.12	1.10	1.06	1.10	1.13	1.04	1.08
<b>LIVER (PRIMARY)</b>							
STUDY OBS	130	107	125	96	49	49	44
SMR	1.04	0.85	0.98	0.93	0.84	0.83	0.64
<b>CNTRL OBS</b>	369	372	348	276	148	127	161
SMR	1.20	1.20	1.12	1.14	1.11	0.95	1.03
<b>TRACHEA, BRONCHUS, LUNG</b>							
STUDY OBS	160	244	319	422	568	820	1079
SMR	0.84	0.84	0.80	0.76	0.76	0.84	0.85
<b>CNTRL OBS</b>	451	678	966	1185	1572	2134	2743
SMR	0.84	0.88	0.94	0.88	0.90	0.94	0.93
<b>BREAST (FEMALE)</b>							
STUDY OBS	199	195	228	273	308	368	445
SMR	1.15	1.00	1.06	1.12	1.11	1.16	1.18
<b>CNTRL OBS</b>	368	480	461	522	594	738	934
SMR	0.92	1.06	0.93	0.95	0.95	1.02	1.08
<b>THYROID</b>							
STUDY OBS	9	9	13	9	12	19	14
SMR	0.85	0.76	1.09	0.77	0.99	1.55	1.16
<b>CNTRL OBS</b>	18	32	31	27	30	34	32
SMR	0.70	1.11	1.09	1.00	1.09	1.24	1.19
<b>BONES &amp; JOINTS</b>							
STUDY OBS	30	16	11	12	13	18	6
SMR	1.65	0.97	0.77	0.83	0.87	1.36	0.75
<b>CNTRL OBS</b>	58	38	43	38	30	29	17
SMR	1.27	0.92	1.22	1.11	0.88	0.97	0.94
<b>BLADDER</b>							
STUDY OBS	107	104	116	119	131	154	133
SMR	1.20	1.05	1.10	1.04	1.05	1.13	0.93
<b>CNTRL OBS</b>	277	273	317	289	317	304	361
SMR	1.24	1.11	1.22	1.07	1.11	1.00	1.15
<b>BRAIN &amp; OTHER C.N.S.</b>							
STUDY OBS	15	15	21	47	58	76	79
SMR	0.90	0.66	0.71	1.24	0.94	0.95	0.83
<b>CNTRL OBS</b>	29	49	56	70	138	182	192
SMR	0.64	0.83	0.75	0.77	0.96	0.98	0.87
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>							
STUDY OBS	0	0	0	0	49	52	16
SMR	0.00	0.00	0.00	0.00	1.14	1.24	0.97
<b>CNTRL OBS</b>	0	0	0	0	120	104	29
SMR	0.00	0.00	0.00	0.00	1.22	1.10	0.79



Age at death: all

Peach Bottom 1,2,3 (1974)  
Lancaster, PA ; York, PA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	156	173	201	191	197	219	276	
	SMR	1.04	0.97	1.01	0.88	0.88	0.92	1.06	
CNTRL	OBS	361	408	440	511	470	494	578	
	SMR	0.93	0.91	0.90	1.00	0.93	0.94	1.02	
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	3209	3485	3842	4280	4837	5742	6336	
	SMR	0.97	0.96	0.96	0.96	0.98	1.03	1.00	
CNTRL	OBS	8685	9455	10071	10965	11611	12599	14147	
	SMR	1.03	1.03	1.02	1.02	1.00	0.99	1.00	
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	42	32	53	59	59	43	29	
	SMR	1.03	0.70	1.09	1.14	1.24	1.23	0.95	
CNTRL	OBS	114	109	124	163	114	74	61	
	SMR	1.05	0.93	1.03	1.34	1.06	0.97	0.96	
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	82	103	132	153	154	177	235	
	SMR	1.12	1.09	1.14	1.10	0.98	1.01	1.08	
CNTRL	OBS	200	219	279	307	356	413	474	
	SMR	1.04	0.91	0.97	0.92	0.98	1.04	0.98	
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	24	17	44	53	71	94	119	
	SMR	1.03	0.47	0.98	0.98	1.03	1.10	1.18	
CNTRL	OBS	65	56	98	143	159	199	240	
	SMR	1.05	0.61	0.87	1.09	0.98	1.02	1.05	
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	1231	1286	1365	1353	1530	1719	1764	
	SMR	0.93	0.94	0.97	0.93	1.03	1.08	1.03	
CNTRL	OBS	3718	3771	3636	3817	3770	3784	4009	
	SMR	1.12	1.10	1.05	1.10	1.09	1.05	1.05	
<b>STOMACH</b>									
STUDY	OBS	264	244	202	178	163	186	165	
	SMR	0.73	0.75	0.70	0.71	0.73	0.88	0.80	
CNTRL	OBS	1055	949	807	733	587	553	525	
	SMR	1.15	1.16	1.13	1.22	1.13	1.16	1.14	

Age at death: all

Peach Bottom 1,2,3 (1974)  
Lancaster, PA ; York, PA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>COLON &amp; RECTUM</b>								
STUDY OBS	573	651	723	737	864	1019	961	
SMR	1.05	1.10	1.14	1.08	1.18	1.28	1.14	
CNTRL OBS	1536	1603	1651	1788	1900	1946	2035	
SMR	1.12	1.09	1.07	1.10	1.12	1.08	1.09	
<b>LIVER (PRIMARY)</b>								
STUDY OBS	176	145	162	121	57	61	60	
SMR	1.08	0.90	1.01	0.93	0.75	0.81	0.69	
CNTRL OBS	479	484	436	370	196	154	202	
SMR	1.17	1.22	1.11	1.19	1.11	0.89	1.04	
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	280	410	491	640	826	1119	1424	
SMR	0.86	0.90	0.81	0.78	0.76	0.82	0.85	
CNTRL OBS	742	1069	1438	1800	2260	2883	3528	
SMR	0.84	0.89	0.92	0.89	0.88	0.91	0.92	
<b>BREAST (FEMALE)</b>								
STUDY OBS	331	330	395	465	507	572	656	
SMR	1.06	0.95	1.03	1.09	1.07	1.11	1.14	
CNTRL OBS	732	850	911	1010	1099	1183	1343	
SMR	0.96	1.00	0.99	0.99	0.99	1.00	1.04	
<b>THYROID</b>								
STUDY OBS	14	13	16	10	14	22	17	
SMR	0.94	0.80	1.01	0.65	0.90	1.42	1.14	
CNTRL OBS	32	45	44	44	38	44	37	
SMR	0.86	1.13	1.15	1.22	1.07	1.26	1.12	
<b>BONES &amp; JOINTS</b>								
STUDY OBS	45	27	28	21	26	28	19	
SMR	1.41	0.91	1.05	0.78	0.95	1.15	1.12	
CNTRL OBS	96	81	75	68	66	62	28	
SMR	1.16	1.08	1.15	1.07	1.06	1.16	0.79	
<b>BLADDER</b>								
STUDY OBS	121	119	132	129	142	171	146	
SMR	1.13	1.03	1.09	1.00	1.01	1.13	0.94	
CNTRL OBS	335	314	364	334	368	337	391	
SMR	1.23	1.08	1.21	1.08	1.13	1.00	1.14	
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	59	66	70	102	131	130	154	
SMR	0.81	0.77	0.71	0.99	0.96	0.87	0.94	
CNTRL OBS	175	185	239	221	297	335	316	
SMR	0.90	0.84	0.97	0.89	0.93	0.99	0.87	
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	91	73	22	
SMR	0.00	0.00	0.00	0.00	1.25	1.16	1.00	
CNTRL OBS	0	0	0	0	192	153	39	
SMR	0.00	0.00	0.00	0.00	1.15	1.09	0.81	

Age at death: under 10

Age at death: under 10		Rancho Seco 1 (1974)								
		Amador, CA ; Sacramento, CA ; San Joaquin, CA								
		YEARS BEFORE STARTUP				YEARS AFTER STARTUP				
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84		
LEUKEMIA & ALEUKEMIA										
STUDY	OBS	30	41	47	36	27	23	24		
	SMR	1.20	1.24	1.28	1.14	1.10	1.38	1.68		
CNTRL	OBS	43	47	64	51	37	30	27		
	SMR	1.04	1.00	1.28	1.13	1.03	1.18	1.25		
ALL CANCER, EXCL LEUK										
STUDY	OBS	34	35	32	29	16	21	31		
	SMR	1.27	1.00	0.86	0.89	0.59	0.96	1.28		
CNTRL	OBS	55	42	61	53	45	33	45		
	SMR	1.26	0.84	1.21	1.15	1.15	1.00	1.23		
HODGKIN'S DISEASE										
STUDY	OBS	1	3	1	0	0	1	0		
	SMR	1.75	5.24	1.91	0.00	0.00	6.66	0.00		
CNTRL	OBS	0	0	0	1	0	0	0		
	SMR	0.00	0.00	0.00	1.57	0.00	0.00	0.00		
OTHER LYMPHOMA										
STUDY	OBS	9	6	6	4	4	1	2		
	SMR	2.47	1.20	1.14	0.96	1.25	0.43	0.95		
CNTRL	OBS	13	6	10	6	8	2	2		
	SMR	2.17	0.84	1.40	1.02	1.71	0.57	0.62		
MULTIPLE MYELOMA										
STUDY	OBS	0	0	0	0	0	0	1		
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	64.85		
CNTRL	OBS	0	0	0	0	0	0	0		
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
DIGESTIVE ORGANS										
STUDY	OBS	1	1	2	0	1	1	3		
	SMR	0.62	0.55	1.06	0.00	0.78	0.94	1.98		
CNTRL	OBS	3	1	2	3	0	5	2		
	SMR	1.14	0.39	0.79	1.49	0.00	3.15	0.89		
STOMACH										
STUDY	OBS	0	0	0	0	0	0	0		
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
CNTRL	OBS	0	0	0	0	0	0	0		
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

Age at death: under 10

Rancho Seco 1 (1974)  
Amador, CA ; Sacramento, CA ; San Joaquin, CA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM	STUDY OBS	0	0	0	0	0	0	1	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	6.49	
	CNTRL OBS	0	0	0	0	0	0	1	
LIVER (PRIMARY)	SMR	0.00	0.00	0.00	0.00	0.00	0.00	4.52	
	STUDY OBS	0	1	1	0	1	1	2	
	SMR	0.00	1.05	0.81	0.00	1.06	1.22	1.77	
TRACHEA, BRONCHUS, LUNG	CNTRL OBS	3	1	2	2	0	5	1	
	SMR	2.35	0.74	1.20	1.58	0.00	4.08	0.59	
	STUDY OBS	0	1	0	0	0	0	0	
BREAST (FEMALE)	SMR	0.00	3.15	0.00	0.00	0.00	0.00	0.00	
	CNTRL OBS	0	1	1	0	1	0	2	
	SMR	0.00	2.23	3.24	0.00	2.44	0.00	3.29	
THYROID	STUDY OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	CNTRL OBS	0	0	0	0	0	0	0	
BONES & JOINTS	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	STUDY OBS	1	0	0	0	0	0	0	
	SMR	27.50	0.00	0.00	0.00	0.00	0.00	0.00	
BLADDER	CNTRL OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	STUDY OBS	0	2	1	1	0	1	2	
BRAIN & OTHER C.N.S.	SMR	0.00	1.58	0.81	0.79	0.00	1.31	3.05	
	CNTRL OBS	2	2	3	1	1	1	0	
	SMR	1.19	1.10	1.77	0.56	0.74	0.86	0.00	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	1	1	0	0	0	1	
	SMR	0.00	5.13	5.19	0.00	0.00	0.00	20.57	
	CNTRL OBS	0	1	1	0	0	0	0	
	SMR	0.00	3.61	3.85	0.00	0.00	0.00	0.00	
	STUDY OBS	13	14	16	11	7	4	9	
	SMR	1.26	0.98	0.99	0.87	0.70	0.52	1.07	
	CNTRL OBS	21	16	24	19	19	11	14	
	SMR	1.25	0.79	1.09	1.07	1.32	0.94	1.10	
	STUDY OBS	0	0	0	0	3	2	1	
	SMR	0.00	0.00	0.00	0.00	0.67	0.67	0.88	
	CNTRL OBS	0	0	0	0	4	7	2	
	SMR	0.00	0.00	0.00	0.00	0.62	1.58	1.20	



Rancho Seco 1 (1974)  
Amador, CA ; Sacramento, CA ; San Joaquin, CA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM	STUDY								
	OBS	0	1	1	0	1	1	0	
	SMR	0.00	2.28	1.90	0.00	1.65	1.55	0.00	
CNTRL	OBS	1	0	0	0	0	0	0	
	SMR	1.07	0.00	0.00	0.00	0.00	0.00	0.00	
LIVER (PRIMARY)	STUDY								
	OBS	0	0	0	1	1	0	0	
	SMR	0.00	0.00	0.00	1.46	1.72	0.00	0.00	
CNTRL	OBS	0	0	1	0	2	0	1	
	SMR	0.00	0.00	1.51	0.00	2.51	0.00	1.02	
TRACHEA, BRONCHUS, LUNG	STUDY								
	OBS	0	0	1	0	0	0	0	
	SMR	0.00	0.00	3.85	0.00	0.00	0.00	0.00	
CNTRL	OBS	1	0	0	0	1	0	0	
	SMR	2.00	0.00	0.00	0.00	1.72	0.00	0.00	
BREAST (FEMALE)	STUDY								
	OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL	OBS	0	0	1	0	0	0	0	
	SMR	0.00	0.00	12.42	0.00	0.00	0.00	0.00	
THYROID	STUDY								
	OBS	0	0	1	0	0	0	0	
	SMR	0.00	0.00	9.79	0.00	0.00	0.00	0.00	
CNTRL	OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BONES & JOINTS	STUDY								
	OBS	4	5	5	8	2	3	6	
	SMR	1.28	1.11	0.91	1.18	0.28	0.53	1.24	
CNTRL	OBS	6	9	6	9	12	12	9	
	SMR	1.13	1.34	0.78	0.95	1.20	1.46	1.25	
BLADDER	STUDY								
	OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL	OBS	0	1	0	0	1	0	0	
	SMR	0.00	20.12	0.00	0.00	22.98	0.00	0.00	
BRAIN & OTHER C.N.S.	STUDY								
	OBS	10	12	3	9	8	10	4	
	SMR	2.47	1.97	0.37	1.08	0.83	1.23	0.58	
CNTRL	OBS	9	5	14	18	14	9	17	
	SMR	1.32	0.55	1.23	1.54	1.03	0.74	1.64	
BENIGN & UNSPEC NEOPLASMS	STUDY								
	OBS	0	0	0	0	4	5	0	
	SMR	0.00	0.00	0.00	0.00	1.02	2.06	0.00	
CNTRL	OBS	0	0	0	0	4	4	2	
	SMR	0.00	0.00	0.00	0.00	0.74	1.12	5.12	



Age at death: 20 to 39

Age at death: 20 to 39		Rancho Seco 1 (1974)										Amador, CA ; Sacramento, CA ; San Joaquin, CA	
		1950-54		1955-59		1960-64		1965-69		YEARS BEFORE STARTUP		YEARS AFTER STARTUP	
LEUKEMIA & ALEUKEMIA													
STUDY	OBS	14	20	20	20	25	23		41	50			
	SMR	0.74	0.88	0.88	0.83	1.02	0.86		1.33	1.35			
CNTRL	OBS	37	28	37	37	30	35		37	66			
	SMR	1.26	0.91	0.91	1.20	0.90	0.93		0.82	1.20			
ALL CANCER, EXCL LEUK													
STUDY	OBS	157	194	194	212	209	224		211	300			
	SMR	0.89	0.95	0.95	0.96	0.96	1.02		0.92	1.08			
CNTRL	OBS	249	263	263	244	289	319		348	424			
	SMR	0.93	0.95	0.95	0.85	0.98	1.03		1.00	0.98			
HODGKIN'S DISEASE													
STUDY	OBS	10	15	15	10	21	17		16	15			
	SMR	0.68	0.84	0.84	0.49	0.99	0.85		0.99	0.94			
CNTRL	OBS	20	28	28	22	19	19		24	22			
	SMR	0.88	1.17	1.17	0.84	0.66	0.67		1.01	0.92			
OTHER LYMPHOMA													
STUDY	OBS	10	9	9	12	8	16		17	24			
	SMR	1.11	0.84	0.84	0.95	0.63	1.19		1.14	1.22			
CNTRL	OBS	18	19	19	9	18	22		19	28			
	SMR	1.29	1.32	1.32	0.55	1.03	1.15		0.85	0.94			
MULTIPLE MYELOMA													
STUDY	OBS	2	0	0	1	0	1		0	0			
	SMR	2.62	0.00	0.00	1.02	0.00	1.13		0.00	0.00			
CNTRL	OBS	2	0	0	2	2	1		1	1			
	SMR	1.78	0.00	0.00	1.59	1.53	0.81		0.62	0.49			
DIGESTIVE ORGANS													
STUDY	OBS	35	35	35	36	30	28		31	46			
	SMR	1.00	0.94	0.94	0.97	0.88	0.85		0.90	1.12			
CNTRL	OBS	34	41	41	37	40	43		54	54			
	SMR	0.65	0.82	0.82	0.78	0.88	0.92		1.03	0.84			
STOMACH													
STUDY	OBS	13	10	10	6	10	7		3	8			
	SMR	1.58	1.20	1.20	0.77	1.59	1.19		0.52	1.14			
CNTRL	OBS	11	11	11	8	8	6		11	8			
	SMR	0.91	1.00	1.00	0.81	0.96	0.73		1.26	0.73			

Age at death: 20 to 39

Rancho Seco 1 (1974)  
Amador, CA ; Sacramento, CA ; San Joaquin, CA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM	STUDY OBS	20	14	17	9	13	17	18	
	SMR	1.18	0.77	0.97	0.55	0.82	1.01	0.94	
	CNTRL OBS	19	19	16	16	24	23	26	
LIVER (PRIMARY)	SMR	0.74	0.77	0.70	0.72	1.06	0.89	0.87	
	STUDY OBS	0	3	3	5	1	4	10	
	SMR	0.00	0.78	0.80	1.42	0.31	1.10	1.96	
TRACHEA, BRONCHUS, LUNG	CNTRL OBS	0	1	1	8	4	3	8	
	SMR	0.00	0.20	0.21	1.71	0.91	0.56	1.04	
	STUDY OBS	9	13	20	25	19	22	30	
BREAST (FEMALE)	SMR	0.89	0.91	1.09	1.23	0.88	1.00	1.21	
	CNTRL OBS	16	23	26	42	27	37	36	
	SMR	1.07	1.20	1.10	1.53	0.87	1.07	0.89	
THYROID	STUDY OBS	21	29	29	19	30	17	45	
	SMR	0.92	1.05	0.94	0.64	0.97	0.51	1.00	
	CNTRL OBS	32	35	35	41	40	58	82	
BONES & JOINTS	SMR	0.92	0.91	0.85	1.01	0.91	1.12	1.14	
	STUDY OBS	0	1	1	2	0	1	0	
	SMR	0.00	1.37	1.39	2.79	0.00	1.83	0.00	
BLADDER	CNTRL OBS	3	0	2	0	0	1	2	
	SMR	3.29	0.00	2.14	0.00	0.00	1.18	1.87	
	STUDY OBS	5	2	1	3	5	8	9	
BRAIN & OTHER C.N.S.	SMR	1.42	0.53	0.27	0.82	1.14	1.61	1.58	
	CNTRL OBS	4	2	3	1	11	5	6	
	SMR	0.73	0.40	0.63	0.20	1.80	0.70	0.74	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	1	0	1	1	1	0	
	SMR	0.00	1.07	0.00	1.30	1.36	1.61	0.00	
	CNTRL OBS	0	1	0	0	1	2	1	
	SMR	0.00	0.82	0.00	0.00	0.95	2.07	0.67	
	STUDY OBS	14	22	30	15	18	22	27	
	SMR	0.94	1.23	1.54	0.86	0.84	1.01	1.03	
	CNTRL OBS	21	22	22	20	33	29	40	
	SMR	0.92	0.91	0.87	0.84	1.09	0.88	1.00	
	STUDY OBS	0	0	0	0	7	8	3	
	SMR	0.00	0.00	0.00	0.00	0.76	1.15	1.23	
	CNTRL OBS	0	0	0	0	11	15	2	
	SMR	0.00	0.00	0.00	0.00	0.85	1.45	0.54	

Age at death: 40 to 59

		Rancho Seco 1 (1974)							
		Amador, CA ; Sacramento, CA ; San Joaquin, CA							
		YEARS BEFORE STARTUP		YEARS AFTER STARTUP					
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY OBS		31	46	57	60	62	67	61	
SMR		0.76	0.96	1.06	1.00	1.00	1.02	0.88	
CNTRL OBS		51	51	69	91	83	95	98	
SMR		0.93	0.80	0.95	1.11	0.97	1.03	0.98	
<b>ALL CANCER, EXCL LEUK</b>									
STUDY OBS		1004	1273	1483	1800	1972	2097	2345	
SMR		0.94	1.00	0.99	1.01	0.96	0.95	1.01	
CNTRL OBS		1364	1615	1810	2306	2612	2925	3096	
SMR		0.96	0.96	0.91	0.95	0.94	0.96	0.95	
<b>HODGKIN'S DISEASE</b>									
STUDY OBS		17	20	20	28	18	13	10	
SMR		1.06	1.02	0.91	1.13	0.82	0.88	0.85	
CNTRL OBS		24	21	27	23	20	18	11	
SMR		1.11	0.80	0.91	0.68	0.66	0.86	0.63	
<b>OTHER LYMPHOMA</b>									
STUDY OBS		20	34	43	66	77	74	78	
SMR		0.71	0.91	0.92	1.14	1.22	1.17	1.11	
CNTRL OBS		41	44	57	73	97	88	103	
SMR		1.08	0.88	0.90	0.92	1.11	0.98	1.01	
<b>MULTIPLE MYELOMA</b>									
STUDY OBS		5	13	17	20	22	31	28	
SMR		0.50	0.88	0.92	1.02	0.89	1.09	0.91	
CNTRL OBS		14	23	28	26	27	34	31	
SMR		1.06	1.21	1.18	1.01	0.82	0.88	0.73	
<b>DIGESTIVE ORGANS</b>									
STUDY OBS		318	382	377	440	443	421	472	
SMR		0.91	1.01	0.92	0.98	0.93	0.86	0.95	
CNTRL OBS		410	433	449	541	556	635	618	
SMR		0.90	0.89	0.84	0.90	0.87	0.95	0.89	
<b>STOMACH</b>									
STUDY OBS		81	84	75	82	67	72	75	
SMR		0.90	1.00	0.96	1.10	0.94	1.09	1.16	
CNTRL OBS		102	96	88	95	91	94	86	
SMR		0.89	0.91	0.88	0.98	0.96	1.05	0.96	

Rancho Seco 1 (1974)  
Amador, CA ; Sacramento, CA ; San Joaquin, CA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>COLON &amp; RECTUM</b>								
STUDY OBS	113	150	145	162	214	164	194	
SMR	0.82	0.98	0.85	0.85	1.04	0.77	0.92	
CNTRL OBS	156	176	172	213	248	251	251	
SMR	0.84	0.86	0.75	0.82	0.88	0.84	0.84	
<b>LIVER (PRIMARY)</b>								
STUDY OBS	30	37	49	51	34	20	27	
SMR	0.70	0.86	1.09	1.25	1.23	0.74	0.88	
CNTRL OBS	47	51	61	33	32	32	54	
SMR	0.84	0.92	1.05	0.61	0.88	0.88	1.29	
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	154	218	325	399	538	611	781	
SMR	1.01	0.99	1.09	0.97	0.98	0.93	1.07	
CNTRL OBS	179	258	387	595	716	889	1008	
SMR	0.89	0.90	0.99	1.08	0.97	0.98	0.98	
<b>BREAST (FEMALE)</b>								
STUDY OBS	106	170	192	262	263	292	313	
SMR	0.83	1.05	0.97	1.06	0.94	0.99	1.03	
CNTRL OBS	172	241	241	324	383	421	422	
SMR	0.95	1.07	0.88	0.95	0.99	1.02	0.97	
<b>THYROID</b>								
STUDY OBS	2	1	3	1	1	5	3	
SMR	0.44	0.21	0.62	0.20	0.21	1.03	0.70	
CNTRL OBS	5	4	6	6	10	4	7	
SMR	0.82	0.62	0.93	0.90	1.54	0.59	1.14	
<b>BONES &amp; JOINTS</b>								
STUDY OBS	7	7	5	4	3	6	2	
SMR	0.77	0.77	0.61	0.49	0.35	0.80	0.42	
CNTRL OBS	9	12	10	12	7	4	6	
SMR	0.75	1.01	0.92	1.08	0.61	0.39	0.88	
<b>BLADDER</b>								
STUDY OBS	28	35	17	20	20	21	19	
SMR	1.27	1.57	0.74	0.82	0.79	0.85	0.84	
CNTRL OBS	37	25	24	41	32	35	32	
SMR	1.29	0.87	0.80	1.26	0.93	1.01	1.00	
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	37	35	68	59	89	88	70	
SMR	0.98	0.73	1.18	0.97	1.13	1.16	0.93	
CNTRL OBS	48	71	63	71	116	107	102	
SMR	0.92	1.10	0.81	0.84	1.06	0.99	0.92	
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	27	26	6	
SMR	0.00	0.00	0.00	0.00	0.82	1.10	0.85	
CNTRL OBS	0	0	0	0	49	46	5	
SMR	0.00	0.00	0.00	0.00	1.10	1.40	0.51	

Age at death: 60 plus

		Rancho Seco 1 (1974)							
		Amador, CA ; Sacramento, CA ; San Joaquin, CA							
		YEARS BEFORE STARTUP		YEARS AFTER STARTUP					
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY OBS	86	108	126	159	182		227	276	
SMR	1.17	1.02	0.95	1.01	1.01		1.02	0.99	
CNTRL OBS	79	151	172	205	230		340	423	
SMR	0.83	1.09	0.95	0.89	0.85		1.02	1.03	
<b>ALL CANCER, EXCL LEUK</b>									
STUDY OBS	2161	2744	3387	4144	4902		6204	7858	
SMR	0.96	0.97	1.01	1.05	1.04		1.03	1.02	
CNTRL OBS	2679	3390	4238	5409	6912		9003	11711	
SMR	0.92	0.92	0.94	0.96	1.00		1.02	1.04	
<b>HODGKIN'S DISEASE</b>									
STUDY OBS	12	16	20	14	21		15	19	
SMR	0.81	0.85	0.93	0.58	0.84		0.70	0.90	
CNTRL OBS	25	28	25	36	34		34	29	
SMR	1.30	1.14	0.86	1.03	0.91		1.06	0.93	
<b>OTHER LYMPHOMA</b>									
STUDY OBS	38	79	99	144	140		184	254	
SMR	0.97	1.31	1.23	1.37	1.07		1.07	1.05	
CNTRL OBS	40	83	110	170	226		300	376	
SMR	0.78	1.05	1.00	1.11	1.14		1.16	1.04	
<b>MULTIPLE MYELOMA</b>									
STUDY OBS	18	32	47	58	98		113	127	
SMR	1.14	1.10	1.16	1.07	1.30		1.07	0.90	
CNTRL OBS	20	45	58	85	126		154	204	
SMR	0.98	1.20	1.08	1.11	1.16		1.02	1.01	
<b>DIGESTIVE ORGANS</b>									
STUDY OBS	940	1177	1267	1469	1576		1881	2150	
SMR	0.93	0.99	0.95	1.02	1.01		1.00	0.96	
CNTRL OBS	1131	1387	1595	1866	2229		2773	3259	
SMR	0.87	0.90	0.89	0.91	0.97		1.01	1.00	
<b>STOMACH</b>									
STUDY OBS	289	308	330	292	295		296	285	
SMR	0.97	1.02	1.13	1.10	1.18		1.13	1.01	
CNTRL OBS	356	320	360	382	376		405	429	
SMR	0.94	0.83	0.94	1.04	1.05		1.08	1.07	

Age at death: 60 plus

Rancho Seco 1 (1974)  
Amador, CA ; Sacramento, CA ; San Joaquin, CA

Table 2-C.23

	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
COLON & RECTUM							
STUDY OBS	341	460	494	646	695	882	1034
SMR	0.84	0.92	0.85	0.98	0.92	0.95	0.95
CNTRL OBS	397	574	658	823	1051	1356	1484
SMR	0.76	0.88	0.83	0.86	0.93	0.98	0.93
LIVER (PRIMARY)							
STUDY OBS	114	138	154	129	84	102	95
SMR	0.93	1.00	1.02	1.00	1.05	1.13	0.83
CNTRL OBS	118	138	148	148	114	112	156
SMR	0.75	0.77	0.73	0.81	0.99	0.87	0.95
TRACHEA, BRONCHUS, LUNG							
STUDY OBS	233	398	637	807	1162	1616	2309
SMR	1.04	1.11	1.22	1.11	1.14	1.10	1.12
CNTRL OBS	261	485	718	1085	1565	2232	3160
SMR	0.91	1.05	1.04	1.05	1.05	1.04	1.05
BREAST (FEMALE)							
STUDY OBS	137	166	229	282	349	436	578
SMR	0.91	0.87	1.01	1.03	1.03	1.00	1.02
CNTRL OBS	213	211	293	385	500	639	892
SMR	1.07	0.83	0.93	0.96	0.98	0.98	1.07
THYROID							
STUDY OBS	16	9	12	22	12	15	11
SMR	1.59	0.72	0.88	1.59	0.78	0.88	0.61
CNTRL OBS	7	14	12	18	25	22	23
SMR	0.54	0.85	0.65	0.90	1.10	0.87	0.86
BONES & JOINTS							
STUDY OBS	8	14	10	16	18	20	12
SMR	0.43	0.75	0.58	0.89	0.92	1.05	0.97
CNTRL OBS	14	8	11	25	26	10	12
SMR	0.59	0.33	0.47	0.97	0.90	0.36	0.66
BLADDER							
STUDY OBS	91	95	121	139	174	199	213
SMR	1.01	0.86	0.95	0.99	1.08	1.03	0.99
CNTRL OBS	111	126	159	213	234	271	301
SMR	0.95	0.88	0.93	1.05	0.97	0.94	0.95
BRAIN & OTHER C.N.S.							
STUDY OBS	13	18	23	43	88	112	135
SMR	0.71	0.68	0.64	0.92	1.09	0.98	0.92
CNTRL OBS	17	37	55	57	137	187	230
SMR	0.71	1.06	1.11	0.84	1.14	1.10	1.06
BENIGN & UNSPEC NEOPLASMS							
STUDY OBS	0	0	0	0	48	65	23
SMR	0.00	0.00	0.00	0.00	0.85	1.07	0.87
CNTRL OBS	0	0	0	0	86	133	50
SMR	0.00	0.00	0.00	0.00	1.04	1.49	1.32



Age at death: all

Age at death: all		Rancho Seco 1 (1974)						
		Amador, CA ; Sacramento, CA ; San Joaquin, CA						
		YEARS BEFORE STARTUP		YEARS AFTER STARTUP				
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
LEUKEMIA & ALEUKEMIA								
STUDY	OBS	168	226	270	307	323	379	428
	SMR	1.01	1.02	1.02	1.05	1.03	1.08	1.03
CNTRL	OBS	225	305	369	408	417	533	643
	SMR	0.96	1.02	1.03	0.98	0.91	1.02	1.05
ALL CANCER, EXCL LEUK								
STUDY	OBS	3380	4275	5145	6228	7144	8560	10563
	SMR	0.95	0.98	1.00	1.04	1.02	1.00	1.02
CNTRL	OBS	4375	5339	6406	8118	9948	12350	15321
	SMR	0.94	0.93	0.93	0.96	0.99	1.00	1.02
HODGKIN'S DISEASE								
STUDY	OBS	41	56	54	69	62	48	44
	SMR	0.86	0.94	0.79	0.93	0.88	0.88	0.87
CNTRL	OBS	73	81	84	82	77	80	65
	SMR	1.08	1.02	0.93	0.79	0.76	1.00	0.86
OTHER LYMPHOMA								
STUDY	OBS	78	130	167	228	239	277	364
	SMR	0.95	1.11	1.11	1.23	1.10	1.08	1.08
CNTRL	OBS	115	156	191	281	357	414	515
	SMR	1.02	1.00	0.94	1.06	1.13	1.09	1.03
MULTIPLE MYELOMA								
STUDY	OBS	25	45	65	78	121	144	156
	SMR	0.94	1.00	1.09	1.04	1.20	1.07	0.90
CNTRL	OBS	36	68	88	113	154	189	236
	SMR	1.04	1.18	1.12	1.09	1.08	0.98	0.96
DIGESTIVE ORGANS								
STUDY	OBS	1296	1597	1684	1941	2050	2335	2671
	SMR	0.93	0.99	0.94	1.01	0.99	0.97	0.96
CNTRL	OBS	1579	1862	2085	2450	2830	3468	3934
	SMR	0.87	0.89	0.88	0.91	0.95	1.00	0.98
STOMACH								
STUDY	OBS	384	402	411	384	369	371	368
	SMR	0.97	1.02	1.09	1.11	1.13	1.11	1.04
CNTRL	OBS	469	427	456	485	473	510	523
	SMR	0.93	0.85	0.93	1.02	1.03	1.07	1.04

Age at death: all

Rancho Seco 1 (1974)  
Amador, CA ; Sacramento, CA ; San Joaquin, CA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM								
STUDY OBS	474	625	657	817	923	1064	1247	
SMR	0.85	0.93	0.85	0.95	0.94	0.92	0.94	
CNTRL OBS	573	769	846	1052	1323	1630	1762	
SMR	0.78	0.87	0.81	0.85	0.92	0.96	0.91	
LIVER (PRIMARY)								
STUDY OBS	144	179	207	186	121	127	134	
SMR	0.85	0.96	1.03	1.07	1.08	1.04	0.88	
CNTRL OBS	168	191	213	191	152	152	220	
SMR	0.76	0.79	0.79	0.78	0.96	0.88	1.02	
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	396	630	983	1231	1719	2249	3120	
SMR	1.02	1.06	1.17	1.06	1.08	1.05	1.11	
CNTRL OBS	457	767	1132	1722	2310	3158	4206	
SMR	0.91	1.00	1.02	1.07	1.02	1.02	1.03	
BREAST (FEMALE)								
STUDY OBS	264	365	450	563	642	745	936	
SMR	0.88	0.96	0.99	1.02	0.99	0.98	1.02	
CNTRL OBS	417	487	570	750	923	1118	1396	
SMR	1.01	0.94	0.90	0.96	0.98	1.00	1.04	
THYROID								
STUDY OBS	19	11	17	25	13	21	14	
SMR	1.24	0.60	0.88	1.28	0.62	0.93	0.60	
CNTRL OBS	15	18	20	24	35	27	32	
SMR	0.74	0.75	0.77	0.86	1.15	0.82	0.94	
BONES & JOINTS								
STUDY OBS	24	30	22	32	28	38	31	
SMR	0.68	0.81	0.61	0.85	0.69	1.00	1.10	
CNTRL OBS	35	33	33	48	57	32	33	
SMR	0.72	0.67	0.68	0.90	0.99	0.58	0.80	
BLADDER								
STUDY OBS	119	132	139	160	195	221	233	
SMR	1.05	0.98	0.92	0.96	1.04	1.01	0.98	
CNTRL OBS	148	154	184	254	268	308	334	
SMR	1.01	0.88	0.91	1.07	0.96	0.96	0.95	
BRAIN & OTHER C.N.S.								
STUDY OBS	87	101	140	137	210	236	245	
SMR	1.02	0.90	1.02	0.94	1.05	1.04	0.93	
CNTRL OBS	116	151	178	185	319	343	403	
SMR	0.95	0.99	0.96	0.90	1.11	1.02	1.03	
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	89	106	33	
SMR	0.00	0.00	0.00	0.00	0.83	1.10	0.89	
CNTRL OBS	0	0	0	0	154	205	61	
SMR	0.00	0.00	0.00	0.00	1.01	1.46	1.14	

Age at death: under 10

Three Mile Island 1,2 (1974)  
Dauphin, PA ; Lancaster, PA ; York, PA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	34	38	30	38	15	14	14	
	SMR	1.18	1.17	0.91	1.36	0.70	0.99	1.33	
CNTRL	OBS	128	173	142	111	81	33	30	
	SMR	0.96	1.17	0.96	0.94	0.96	0.65	0.85	
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	27	23	35	24	15	14	22	
	SMR	0.89	0.68	1.05	0.85	0.65	0.78	1.26	
CNTRL	OBS	148	179	150	126	85	67	54	
	SMR	1.04	1.15	1.00	1.04	0.93	1.04	0.91	
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	2	1	2	1	0	0	0	
	SMR	3.11	1.82	4.45	2.63	0.00	0.00	0.00	
CNTRL	OBS	0	5	4	3	2	0	1	
	SMR	0.00	1.96	1.95	1.83	1.61	0.00	4.93	
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	3	3	5	2	2	0	3	
	SMR	0.72	0.62	1.07	0.55	0.72	0.00	1.89	
CNTRL	OBS	20	25	17	8	8	5	4	
	SMR	1.03	1.12	0.81	0.52	0.73	0.72	0.75	
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	0	0	0	0	0	1	0	
	SMR	0.00	0.00	0.00	0.00	0.00	52.27	0.00	
CNTRL	OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	2	1	3	0	2	1	1	
	SMR	1.11	0.57	1.77	0.00	1.80	1.17	0.96	
CNTRL	OBS	12	11	10	10	4	5	4	
	SMR	1.42	1.36	1.32	1.87	0.92	1.64	1.13	
<b>STOMACH</b>									
STUDY	OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL	OBS	0	2	0	1	0	1	0	
	SMR	0.00	4.26	0.00	8.83	0.00	16.28	0.00	

Age at death: under 10

Three Mile Island 1,2 (1974)  
Dauphin, PA ; Lancaster, PA ; York, PA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
COLON & RECTUM							
STUDY OBS	2	0	1	0	0	0	0
SMR	7.86	0.00	6.51	0.00	0.00	0.00	0.00
CNTRL OBS	4	1	2	1	1	1	1
SMR	3.28	0.93	2.94	2.54	3.05	5.09	2.87
LIVER (PRIMARY)							
STUDY OBS	0	1	1	0	1	0	1
SMR	0.00	1.08	0.90	0.00	1.22	0.00	1.25
CNTRL OBS	6	6	4	5	3	3	3
SMR	1.46	1.41	0.81	1.48	0.94	1.28	1.11
TRACHEA, BRONCHUS, LUNG							
STUDY OBS	0	0	0	2	0	0	0
SMR	0.00	0.00	0.00	9.44	0.00	0.00	0.00
CNTRL OBS	2	0	1	2	1	1	0
SMR	1.49	0.00	1.09	2.23	1.05	2.59	0.00
BREAST (FEMALE)							
STUDY OBS	1	0	0	0	0	0	0
SMR	23.41	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	2	1	1	1	0	0
SMR	0.00	5.62	6.86	11.48	23.93	0.00	0.00
THYROID							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	0	1	0	0	0
SMR	0.00	4.75	0.00	8.83	0.00	0.00	0.00
BONES & JOINTS							
STUDY OBS	2	1	2	1	0	0	0
SMR	1.70	0.81	1.83	0.91	0.00	0.00	0.00
CNTRL OBS	7	11	9	15	1	1	2
SMR	1.27	1.93	1.83	3.22	0.31	0.43	1.18
BLADDER							
STUDY OBS	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	2	1	4	0	2	1
SMR	0.00	2.28	1.29	6.64	0.00	9.54	9.13
BRAIN & OTHER C.N.S.							
STUDY OBS	7	11	14	5	6	6	5
SMR	0.60	0.79	0.97	0.45	0.71	0.94	0.81
CNTRL OBS	60	60	63	43	28	31	18
SMR	1.10	0.94	0.97	0.92	0.83	1.35	0.87
BENIGN & UNSPEC NEOPLASMS							
STUDY OBS	0	0	0	0	6	2	0
SMR	0.00	0.00	0.00	0.00	1.58	0.83	0.00
CNTRL OBS	0	0	0	0	12	15	0
SMR	0.00	0.00	0.00	0.00	0.80	1.75	0.00

Age at death: 10 to 19

Three Mile Island 1,2 (1974)  
Dauphin, PA ; Lancaster, PA ; York, PA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY OBS	19		10	17	15	15	12	10	
SMR	1.74		0.77	1.15	0.93	0.93	0.84	0.85	
CNTRL OBS	46		41	56	80	77	52	45	
SMR	0.91		0.69	0.85	1.12	1.12	0.93	1.05	
<b>ALL CANCER, EXCL LEUK</b>									
STUDY OBS	14		26	25	33	31	21	17	
SMR	0.66		1.06	0.90	1.07	1.03	0.84	0.80	
CNTRL OBS	106		106	119	122	138	97	65	
SMR	1.07		0.94	0.95	0.89	1.07	0.97	0.83	
<b>HODGKIN'S DISEASE</b>									
STUDY OBS	4		0	2	4	3	1	0	
SMR	1.77		0.00	0.62	1.23	1.27	0.63	0.00	
CNTRL OBS	15		7	11	16	12	6	7	
SMR	1.44		0.57	0.76	1.11	1.19	0.95	1.35	
<b>OTHER LYMPHOMA</b>									
STUDY OBS	1		7	1	6	5	3	2	
SMR	0.36		1.89	0.24	1.27	1.14	0.82	0.68	
CNTRL OBS	13		24	20	14	21	14	7	
SMR	1.02		1.43	1.05	0.67	1.12	0.96	0.65	
<b>MULTIPLE MYELOMA</b>									
STUDY OBS	0		0	0	0	0	0	0	
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0		0	0	0	0	0	0	
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	
<b>DIGESTIVE ORGANS</b>									
STUDY OBS	0		0	4	3	2	2	0	
SMR	0.00		0.00	3.23	2.34	1.58	1.60	0.00	
CNTRL OBS	6		3	2	8	5	4	3	
SMR	0.90		0.54	0.35	1.38	0.90	0.79	0.79	
<b>STOMACH</b>									
STUDY OBS	0		0	0	0	0	0	0	
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0		0	0	0	0	0	0	
SMR	0.00		0.00	0.00	0.00	0.00	0.00	0.00	

Age at death: 10 to 19

Three Mile Island 1,2 (1974)  
Dauphin, PA ; Lancaster, PA ; York, PA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM	STUDY OBS	0	0	0	1	0	1	0	
	SMR	0.00	0.00	0.00	2.64	0.00	2.21	0.00	
	CNTRL OBS	3	2	0	4	2	1	0	
LIVER (PRIMARY)	SMR	0.91	0.97	0.00	2.28	1.05	0.53	0.00	
	STUDY OBS	0	0	2	2	1	1	0	
	SMR	0.00	0.00	4.70	3.55	2.21	1.85	0.00	
TRACHEA, BRONCHUS, LUNG	CNTRL OBS	1	0	2	1	2	1	3	
	SMR	0.74	0.00	1.03	0.40	1.02	0.46	1.64	
	STUDY OBS	0	0	1	0	0	0	0	
BREAST (FEMALE)	SMR	0.00	0.00	4.37	0.00	0.00	0.00	0.00	
	CNTRL OBS	0	1	4	1	0	1	0	
	SMR	0.00	0.73	3.84	0.75	0.00	1.07	0.00	
THYROID	STUDY OBS	0	0	0	0	0	0	1	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	19.23	
	CNTRL OBS	1	0	1	0	1	0	0	
BONES & JOINTS	SMR	2.39	0.00	4.09	0.00	3.97	0.00	0.00	
	STUDY OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BLADDER	STUDY OBS	2	5	5	4	5	4	3	
	SMR	0.49	1.08	1.00	0.70	0.86	0.89	0.80	
	CNTRL OBS	18	17	18	28	32	19	11	
BRAIN & OTHER C.N.S.	SMR	0.96	0.80	0.80	1.10	1.30	1.06	0.80	
	STUDY OBS	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	3	9	7	6	8	5	4	
	SMR	0.58	1.44	0.96	0.85	1.02	0.76	0.75	
	CNTRL OBS	18	25	34	17	28	22	19	
	SMR	0.74	0.88	1.03	0.54	0.84	0.84	0.97	
	STUDY OBS	0	0	0	0	7	2	0	
	SMR	0.00	0.00	0.00	0.00	2.26	1.04	0.00	
	CNTRL OBS	0	0	0	0	20	10	1	
	SMR	0.00	0.00	0.00	0.00	1.50	1.31	1.37	



Age at death: 20 to 39

Three Mile Island 1,2 (1974)  
Dauphin, PA ; Lancaster, PA ; York, PA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
LEUKEMIA & ALEUKEMIA							
STUDY OBS	28	25	18	18	20	20	31
SMR	1.29	1.13	0.85	0.87	0.92	0.84	1.18
CNTRL OBS	111	102	92	84	81	100	96
SMR	1.01	0.96	0.96	0.96	0.95	1.13	1.03
ALL CANCER, EXCL LEUK							
STUDY OBS	205	192	216	171	163	180	184
SMR	1.03	0.97	1.11	0.93	0.92	1.01	0.93
CNTRL OBS	1075	1046	897	828	672	682	761
SMR	1.06	1.08	0.99	1.05	0.96	1.03	1.08
HODGKIN'S DISEASE							
STUDY OBS	20	16	28	22	20	11	18
SMR	1.18	0.91	1.53	1.21	1.21	0.86	1.55
CNTRL OBS	72	90	87	102	67	48	49
SMR	0.85	1.08	1.06	1.35	1.05	1.02	1.20
OTHER LYMPHOMA							
STUDY OBS	12	5	12	10	11	15	13
SMR	1.17	0.48	1.08	0.92	1.00	1.28	0.93
CNTRL OBS	56	48	50	39	43	40	56
SMR	1.09	0.96	0.99	0.85	1.00	0.93	1.13
MULTIPLE MYELOMA							
STUDY OBS	1	1	1	0	3	0	1
SMR	1.25	1.09	1.22	0.00	4.56	0.00	1.16
CNTRL OBS	7	4	3	5	2	4	4
SMR	1.68	0.87	0.77	1.43	0.75	1.39	1.28
DIGESTIVE ORGANS							
STUDY OBS	45	29	32	33	21	24	16
SMR	1.19	0.83	1.02	1.18	0.81	0.93	0.57
CNTRL OBS	228	210	155	125	96	86	99
SMR	1.17	1.21	1.05	1.03	0.93	0.89	0.98
STOMACH							
STUDY OBS	10	2	2	3	0	4	2
SMR	1.15	0.26	0.31	0.60	0.00	0.97	0.44
CNTRL OBS	58	40	28	23	15	13	15
SMR	1.28	1.05	0.91	1.05	0.83	0.83	0.89

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
COLON & RECTUM							
	STUDY OBS	16	18	20	13	13	7
	SMR	0.91	1.17	1.46	1.03	1.01	0.52
CNTRL							
	OBS	109	88	63	50	39	51
	SMR	1.27	1.23	1.06	1.00	0.81	1.07
LIVER (PRIMARY)							
	STUDY OBS	3	4	3	4	2	3
	SMR	0.86	1.30	1.08	1.71	0.79	0.94
CNTRL							
	OBS	24	6	11	6	10	15
	SMR	1.38	0.41	0.90	0.63	1.02	1.27
TRACHEA, BRONCHUS, LUNG							
	STUDY OBS	16	14	12	12	16	12
	SMR	1.20	0.90	0.72	0.69	0.94	0.67
CNTRL							
	OBS	74	85	77	82	64	68
	SMR	1.13	1.16	1.06	1.19	1.01	1.08
BREAST (FEMALE)							
	STUDY OBS	29	37	16	22	23	35
	SMR	1.05	1.33	0.63	0.88	0.88	1.08
CNTRL							
	OBS	174	140	109	107	108	129
	SMR	1.26	1.06	0.97	1.06	1.10	1.11
THYROID							
	STUDY OBS	2	1	0	0	1	2
	SMR	2.85	1.55	0.00	0.00	2.32	4.06
CNTRL							
	OBS	4	1	5	4	4	1
	SMR	1.16	0.34	1.92	1.94	2.51	0.57
BONES & JOINTS							
	STUDY OBS	3	7	2	4	6	5
	SMR	0.83	2.17	0.66	1.14	1.55	1.25
CNTRL							
	OBS	13	12	19	8	20	19
	SMR	0.75	0.84	1.51	0.58	1.39	1.33
BLADDER							
	STUDY OBS	2	2	0	0	0	1
	SMR	2.43	2.61	0.00	0.00	0.00	1.51
CNTRL							
	OBS	6	2	2	0	0	5
	SMR	1.43	0.54	0.72	0.00	0.00	2.14
BRAIN & OTHER C.N.S.							
	STUDY OBS	11	9	16	17	14	22
	SMR	0.62	0.52	1.06	0.96	0.81	1.14
CNTRL							
	OBS	84	72	55	59	64	82
	SMR	0.99	0.91	0.86	0.86	1.01	1.21
BENIGN & UNSPEC NEOPLASMS							
	STUDY OBS	0	0	0	8	4	5
	SMR	0.00	0.00	0.00	1.11	0.76	3.01
CNTRL							
	OBS	0	0	0	26	25	3
	SMR	0.00	0.00	0.00	0.90	1.26	0.50

Age at death: 40 to 59

Three Mile Island 1,2 (1974)  
Dauphin, PA ; Lancaster, PA ; York, PA

		YEARS BEFORE STARTUP		YEARS AFTER STARTUP	
		1965-69	1970-74	1975-79	1980-84
1950-54					
LEUKEMIA & ALEUKEMIA					
STUDY OBS	41	51	53		63
SMR	0.98	0.98	0.98		1.17
CNTRL OBS	234	224	251	52	231
SMR	0.96	0.88	0.96	250	1.06
ALL CANCER, EXCL LEUK					
STUDY OBS	1310	1428	1483	1738	1651
SMR	1.00	1.02	1.00	0.98	0.94
CNTRL OBS	7117	7303	7898	8231	7743
SMR	1.09	1.07	1.09	1.04	1.06
HODGKIN'S DISEASE					
STUDY OBS	14	16	21	17	9
SMR	0.74	0.76	0.98	1.39	0.96
CNTRL OBS	112	103	112	71	49
SMR	1.19	1.00	1.07	1.34	1.33
OTHER LYMPHOMA					
STUDY OBS	34	45	56	58	48
SMR	0.99	1.10	1.19	1.08	0.85
CNTRL OBS	176	198	189	266	241
SMR	1.04	1.00	0.83	1.13	1.06
MULTIPLE MYELOMA					
STUDY OBS	11	9	15	17	20
SMR	0.92	0.58	0.85	0.77	0.91
CNTRL OBS	65	64	66	95	93
SMR	1.08	0.83	0.76	0.95	1.00
DIGESTIVE ORGANS					
STUDY OBS	394	417	418	421	367
SMR	0.95	1.04	1.05	1.09	1.00
CNTRL OBS	2450	2227	2183	1920	1696
SMR	1.18	1.13	1.12	1.11	1.11
STOMACH					
STUDY OBS	69	57	58	46	34
SMR	0.68	0.68	0.80	0.91	0.73
CNTRL OBS	593	464	395	246	218
SMR	1.14	1.10	1.10	1.08	1.12

Age at death: 40 to 59

Three Mile Island 1,2 (1974)  
Dauphin, PA ; Lancaster, PA ; York, PA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM									
	STUDY OBS	180	214	199	213	214	229	172	
	SMR	1.04	1.24	1.15	1.19	1.19	1.30	1.06	
	CNTRL OBS	1061	970	1027	1050	973	972	775	
LIVER (PRIMARY)									
	STUDY OBS	1.24	1.16	1.23	1.22	1.14	1.24	1.15	
	SMR								
	CNTRL OBS	57	54	51	35	9	17	21	
TRACHEA, BRONCHUS, LUNG									
	STUDY OBS	1.10	1.18	1.17	0.98	0.41	0.84	0.99	
	SMR	314	285	246	218	122	86	84	
	CNTRL OBS	1.21	1.26	1.16	1.24	1.14	0.93	0.94	
BREAST (FEMALE)									
	STUDY OBS	180	231	259	337	403	448	441	
	SMR	1.03	1.02	0.91	0.92	0.87	0.85	0.79	
	CNTRL OBS	942	1220	1559	1867	2269	2309	2343	
THYROID									
	STUDY OBS	1.07	1.10	1.13	1.05	1.04	0.99	1.02	
	SMR								
	CNTRL OBS	172	209	199	262	256	257	234	
BONES & JOINTS									
	STUDY OBS	0.96	1.06	0.92	1.09	1.01	1.03	0.99	
	SMR	842	948	1192	1293	1329	1161	1071	
	CNTRL OBS	0.98	1.00	1.15	1.11	1.11	1.05	1.09	
BLADDER									
	STUDY OBS	4	3	2	3	3	6	2	
	SMR	0.70	0.55	0.41	0.66	0.72	1.51	0.60	
	CNTRL OBS	39	32	37	38	18	15	14	
BRAIN & OTHER C.N.S.									
	STUDY OBS	1.38	1.21	1.55	1.72	0.92	0.85	1.02	
	SMR								
	CNTRL OBS	13	7	8	7	11	6	7	
BLADDER									
	STUDY OBS	1.20	0.72	0.99	0.94	1.54	1.00	1.94	
	SMR	61	59	37	39	41	27	9	
	CNTRL OBS	1.13	1.24	0.94	1.08	1.21	1.01	0.62	
BRAIN & OTHER C.N.S.									
	STUDY OBS	24	24	22	16	19	22	18	
	SMR	0.94	1.03	1.00	0.74	0.88	1.09	1.03	
	CNTRL OBS	161	122	118	115	132	98	79	
BENIGN & UNSPEC NEOPLASMS									
	STUDY OBS	1.24	1.06	1.10	1.08	1.28	1.08	1.09	
	SMR								
	CNTRL OBS	48	44	55	55	64	47	70	
BENIGN & UNSPEC NEOPLASMS									
	STUDY OBS	1.03	0.84	0.95	0.96	0.91	0.73	1.14	
	SMR	235	246	268	252	329	248	252	
	CNTRL OBS	1.03	0.97	0.96	0.91	1.01	0.89	1.03	
BENIGN & UNSPEC NEOPLASMS									
	STUDY OBS	0	0	0	0	33	20	3	
	SMR	0.00	0.00	0.00	0.00	1.19	1.06	0.59	
	CNTRL OBS	0	0	0	0	181	93	17	
	SMR	0.00	0.00	0.00	0.00	1.38	1.11	0.81	

Age at death: 60 plus

Three Mile Island 1,2 (1974)  
Dauphin, PA ; Lancaster, PA ; York, PA

	1950-54		1955-59		1960-64		1965-69		1970-74		1975-79		1980-84	
LEUKEMIA & ALEUKEMIA														
STUDY OBS	99		123		161		161		187		210		256	
SMR	0.95		0.91		1.00		0.87		0.95		0.97		1.03	
CNTRL OBS	441		549		645		782		769		884		1037	
SMR	0.97		0.92		0.92		0.99		0.93		0.99		1.03	
ALL CANCER, EXCL LEUK														
STUDY OBS	3169		3584		4029		4429		5038		6078		6754	
SMR	0.98		0.98		1.00		0.99		1.01		1.07		1.02	
CNTRL OBS	15619		18106		19826		21540		23624		26144		30191	
SMR	1.11		1.13		1.12		1.11		1.11		1.09		1.10	
HODGKIN'S DISEASE														
STUDY OBS	22		16		17		28		25		28		17	
SMR	1.07		0.67		0.66		1.01		0.92		1.35		0.91	
CNTRL OBS	91		94		121		154		125		88		71	
SMR	0.99		0.88		1.07		1.28		1.08		1.01		0.92	
OTHER LYMPHOMA														
STUDY OBS	55		91		114		145		152		174		240	
SMR	0.99		1.18		1.17		1.18		1.06		1.03		1.10	
CNTRL OBS	250		298		413		497		615		682		954	
SMR	1.02		0.87		0.96		0.94		1.01		0.97		1.07	
MULTIPLE MYELOMA														
STUDY OBS	20		23		48		59		77		124		146	
SMR	0.93		0.64		1.02		0.98		0.99		1.28		1.24	
CNTRL OBS	94		119		208		283		359		423		525	
SMR	0.96		0.73		0.98		1.06		1.07		1.03		1.07	
DIGESTIVE ORGANS														
STUDY OBS	1365		1454		1589		1538		1712		1896		2038	
SMR	0.93		0.94		0.99		0.94		1.02		1.06		1.05	
CNTRL OBS	7556		8080		8304		8344		8238		8361		9009	
SMR	1.20		1.21		1.19		1.18		1.16		1.12		1.13	
STOMACH														
STUDY OBS	319		309		268		192		189		213		199	
SMR	0.76		0.81		0.79		0.66		0.74		0.89		0.85	
CNTRL OBS	2203		2120		1830		1526		1338		1200		1241	
SMR	1.22		1.27		1.22		1.20		1.21		1.19		1.28	

Age at death: 60 plus

Three Mile Island 1,2 (1974)  
Dauphin, PA ; Lancaster, PA ; York, PA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
	1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84
COLON & RECTUM							
STUDY OBS	633	707	856	825	971	1101	1090
SMR	1.06	1.07	1.19	1.07	1.17	1.22	1.12
CNTRL OBS	3165	3411	3804	4008	4199	4255	4500
SMR	1.25	1.20	1.23	1.21	1.20	1.14	1.14
LIVER (PRIMARY)							
STUDY OBS	183	154	175	134	74	63	81
SMR	1.01	0.84	0.95	0.91	0.90	0.77	0.85
CNTRL OBS	915	975	982	778	429	375	415
SMR	1.18	1.23	1.22	1.23	1.22	1.08	1.05
TRACHEA, BRONCHUS, LUNG							
STUDY OBS	261	386	528	692	862	1216	1516
SMR	0.91	0.92	0.92	0.89	0.83	0.91	0.88
CNTRL OBS	1404	2156	2915	3695	4887	6098	7783
SMR	1.05	1.10	1.10	1.06	1.09	1.07	1.08
BREAST (FEMALE)							
STUDY OBS	286	291	336	389	429	505	623
SMR	1.14	1.03	1.09	1.12	1.09	1.14	1.20
CNTRL OBS	1073	1312	1337	1522	1799	2014	2378
SMR	1.04	1.12	1.03	1.04	1.09	1.09	1.10
THYROID							
STUDY OBS	12	17	18	11	14	28	18
SMR	0.78	0.99	1.05	0.66	0.82	1.65	1.09
CNTRL OBS	55	89	83	79	66	78	79
SMR	0.85	1.21	1.12	1.12	0.92	1.12	1.18
BONES & JOINTS							
STUDY OBS	37	24	19	23	20	24	11
SMR	1.42	1.01	0.92	1.12	0.96	1.32	1.01
CNTRL OBS	138	124	108	107	93	79	45
SMR	1.21	1.19	1.20	1.20	1.05	1.04	1.01
BLADDER							
STUDY OBS	171	165	165	171	192	212	160
SMR	1.34	1.17	1.09	1.06	1.10	1.14	0.84
CNTRL OBS	677	705	807	760	844	875	948
SMR	1.23	1.15	1.23	1.10	1.16	1.16	1.24
BRAIN & OTHER C.N.S.							
STUDY OBS	19	17	35	63	74	107	106
SMR	0.78	0.52	0.82	1.18	0.86	0.97	0.82
CNTRL OBS	78	133	170	195	345	505	518
SMR	0.68	0.88	0.88	0.83	0.93	1.08	0.96
BENIGN & UNSPEC NEOPLASMS							
STUDY OBS	0	0	0	0	65	69	18
SMR	0.00	0.00	0.00	0.00	1.08	1.19	0.79
CNTRL OBS	0	0	0	0	288	306	99
SMR	0.00	0.00	0.00	0.00	1.12	1.26	1.06



Age at death: all

Three Mile Island 1,2 (1974)  
Dauphin, PA ; Lancaster, PA ; York, PA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	221	247	279	286	283	308	374	
	SMR	1.02	0.97	0.98	0.94	0.91	0.95	1.06	
CNTRL	OBS	960	1089	1186	1349	1260	1319	1439	
	SMR	0.96	0.94	0.93	1.01	0.96	1.00	1.03	
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	4725	5253	5788	6325	6972	8031	8628	
	SMR	0.98	0.99	1.01	1.00	1.00	1.04	1.00	
CNTRL	OBS	24065	26740	28890	31273	33378	35221	38814	
	SMR	1.10	1.11	1.11	1.10	1.09	1.08	1.09	
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	62	49	70	78	72	57	44	
	SMR	1.04	0.75	1.01	1.08	1.10	1.20	1.07	
CNTRL	OBS	290	299	335	390	328	213	177	
	SMR	1.02	0.97	1.06	1.22	1.17	1.10	1.11	
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	105	151	188	228	233	250	306	
	SMR	0.98	1.10	1.14	1.16	1.07	1.04	1.04	
CNTRL	OBS	515	593	689	816	954	1007	1262	
	SMR	1.04	0.94	0.92	0.94	1.01	1.01	1.07	
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	32	33	64	76	106	142	167	
	SMR	0.93	0.63	0.98	0.97	1.08	1.19	1.19	
CNTRL	OBS	166	187	277	393	449	522	622	
	SMR	1.02	0.76	0.92	1.11	1.03	1.02	1.06	
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	1806	1901	2046	1970	2133	2344	2422	
	SMR	0.94	0.96	1.00	0.95	1.02	1.06	1.04	
CNTRL	OBS	10252	10531	10654	10769	10429	10376	10811	
	SMR	1.20	1.19	1.17	1.17	1.14	1.12	1.13	
<b>STOMACH</b>									
STUDY	OBS	398	368	328	246	236	263	235	
	SMR	0.75	0.78	0.79	0.68	0.74	0.89	0.82	
CNTRL	OBS	2854	2626	2253	1930	1662	1460	1474	
	SMR	1.20	1.23	1.19	1.20	1.19	1.16	1.25	

Age at death: all

Three Mile Island 1,2 (1974)  
Dauphin, PA ; Lancaster, PA ; York, PA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-54	1955-59	1960-64	1965-69	1970-74	1975-79	1980-84	
COLON & RECTUM	STUDY OBS	839	937	1074	1059	1198	1344	1269	
	SMR	1.06	1.10	1.18	1.10	1.17	1.23	1.11	
	CNTRL OBS	4340	4493	4921	5126	5225	5268	5327	
	SMR	1.24	1.19	1.23	1.21	1.19	1.15	1.14	
LIVER (PRIMARY)	STUDY OBS	247	212	233	174	89	83	106	
	SMR	1.04	0.91	1.00	0.93	0.83	0.78	0.88	
	CNTRL OBS	1259	1290	1240	1013	562	475	520	
	SMR	1.19	1.24	1.20	1.22	1.18	1.05	1.04	
TRACHEA, BRONCHUS, LUNG	STUDY OBS	453	633	802	1043	1277	1680	1969	
	SMR	0.95	0.96	0.92	0.90	0.84	0.89	0.86	
	CNTRL OBS	2409	3451	4564	5642	7239	8473	10194	
	SMR	1.06	1.10	1.11	1.06	1.07	1.05	1.06	
BREAST (FEMALE)	STUDY OBS	480	529	572	667	707	785	893	
	SMR	1.05	1.04	1.03	1.09	1.06	1.09	1.13	
	CNTRL OBS	2087	2436	2671	2925	3237	3283	3578	
	SMR	1.03	1.08	1.08	1.07	1.10	1.07	1.10	
THYROID	STUDY OBS	20	22	21	14	17	35	22	
	SMR	0.92	0.94	0.92	0.64	0.78	1.63	1.08	
	CNTRL OBS	98	126	123	123	88	98	94	
	SMR	1.01	1.21	1.22	1.28	0.94	1.10	1.14	
BONES & JOINTS	STUDY OBS	58	40	41	37	40	40	26	
	SMR	1.25	0.93	1.08	0.98	1.05	1.21	1.14	
	CNTRL OBS	247	224	184	208	175	146	86	
	SMR	1.16	1.14	1.07	1.24	1.07	1.07	0.97	
BLADDER	STUDY OBS	195	191	189	187	211	234	179	
	SMR	1.26	1.15	1.09	1.02	1.08	1.13	0.85	
	CNTRL OBS	846	835	928	881	976	975	1033	
	SMR	1.23	1.14	1.21	1.10	1.17	1.15	1.23	
BRAIN & OTHER C.N.S.	STUDY OBS	88	92	120	145	169	179	207	
	SMR	0.84	0.75	0.86	1.01	0.89	0.88	0.94	
	CNTRL OBS	484	548	607	562	789	870	889	
	SMR	0.96	0.94	0.94	0.86	0.95	1.01	1.00	
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	119	97	26	
	SMR	0.00	0.00	0.00	0.00	1.17	1.12	0.86	
	CNTRL OBS	0	0	0	0	527	449	120	
	SMR	0.00	0.00	0.00	0.00	1.18	1.24	0.97	



Age at death: under 10  
Brunswick 1,2 (1975)  
Brunswick, NC

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS								
STUDY OBS	0	1	0	0	0	0	0	0
SMR	0.00	24.62	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BLADDER								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	0	0	0	0	1	0	0	0
SMR	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00
CNTRL OBS	0	2	2	3	4	1	2	2
SMR	0.00	0.94	0.89	1.43	2.64	0.79	1.81	2.23
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	0.00	1.74	0.00	0.00



Age at death: 10 to 19

Brunswick 1,2 (1975)  
Brunswick, NC

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS								
STUDY OBS	0	1	0	0	0	0	1	0
SMR	0.00	6.07	0.00	0.00	0.00	0.00	5.73	0.00
CNTRL OBS	0	0	2	0	1	1	1	0
SMR	0.00	0.00	2.38	0.00	1.15	1.19	1.36	0.00
BLADDER								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	0	0	1	1	0	0	0	0
SMR	0.00	0.00	4.42	4.16	0.00	0.00	0.00	0.00
CNTRL OBS	1	0	1	2	0	3	1	2
SMR	5.20	0.00	0.90	1.71	0.00	2.51	0.94	2.61
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	2	0	0
SMR	0.00	0.00	0.00	0.00	0.00	4.08	0.00	0.00



Age at death: 20 to 39

Brunswick 1,2 (1975)  
Brunswick, NC

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	0	2	1	0	0	0	0	0
	SMR	0.00	3.57	1.85	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	2	4	3	3	4	1	1
	SMR	0.00	0.68	1.31	1.02	1.05	1.19	0.25	0.26
ALL CANCER, EXCL LEUK									
STUDY	OBS	0	4	1	5	4	6	13	11
	SMR	0.00	0.70	0.19	0.95	0.73	0.88	1.77	1.57
CNTRL	OBS	10	23	21	25	25	21	34	44
	SMR	1.79	0.82	0.75	0.91	0.97	0.77	1.12	1.51
HODGKIN'S DISEASE									
STUDY	OBS	0	0	0	0	1	0	1	0
	SMR	0.00	0.00	0.00	0.00	2.17	0.00	2.18	0.00
CNTRL	OBS	0	1	1	3	1	0	1	2
	SMR	0.00	0.46	0.43	1.25	0.44	0.00	0.51	1.26
OTHER LYMPHOMA									
STUDY	OBS	0	1	0	1	0	0	1	0
	SMR	0.00	3.73	0.00	3.52	0.00	0.00	2.14	0.00
CNTRL	OBS	1	0	1	1	1	2	3	3
	SMR	3.66	0.00	0.70	0.65	0.68	1.20	1.51	1.49
MULTIPLE MYELOMA									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS									
STUDY	OBS	0	0	0	1	0	1	4	3
	SMR	0.00	0.00	0.00	1.06	0.00	0.92	3.43	2.75
CNTRL	OBS	2	5	2	4	4	2	3	6
	SMR	1.80	0.91	0.39	0.86	0.96	0.47	0.63	1.34
STOMACH									
STUDY	OBS	0	0	0	1	0	0	0	0
	SMR	0.00	0.00	0.00	4.74	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	1	1	2	0	1
	SMR	0.00	0.00	0.00	0.99	1.24	2.55	0.00	1.28

Age at death: 20 to 39

Brunswick 1,2 (1975)  
Brunswick, NC

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM	STUDY OBS	0	0	0	0	0	1	2	3
	SMR	0.00	0.00	0.00	0.00	0.00	1.97	3.64	6.07
	CNTRL OBS	0	3	1	2	2	0	3	2
LIVER (PRIMARY)	SMR	0.00	1.18	0.42	0.94	1.03	0.00	1.34	0.98
	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	2	1	0	0	0	0	0	0	2
SMR	14.60	1.51	0.00	0.00	0.00	0.00	0.00	0.00	3.43
TRACHEA, BRONCHUS, LUNG	STUDY OBS	0	1	0	0	0	1	1	0
	SMR	0.00	3.08	0.00	0.00	0.00	1.47	1.38	0.00
	CNTRL OBS	0	1	1	1	3	1	3	5
BREAST (FEMALE)	SMR	0.00	0.63	0.52	0.44	1.20	0.37	1.02	1.87
	STUDY OBS	0	0	0	1	0	1	1	3
	SMR	0.00	0.00	0.00	1.36	0.00	1.03	0.89	2.49
CNTRL OBS	0	2	2	2	1	2	2	5	8
SMR	0.00	0.55	0.54	0.53	0.28	0.52	0.52	1.10	1.66
THYROID	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	1	0	0	0	0	0	0	0
BONES & JOINTS	SMR	51.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	1	1	1	2	1
SMR	0.00	0.00	0.00	0.00	0.00	2.27	1.78	3.10	1.74
BLADDER	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
BRAIN & OTHER C.N.S.	SMR	0.00	0.00	6.97	0.00	0.00	0.00	0.00	10.35
	STUDY OBS	0	0	0	1	0	1	0	0
	SMR	0.00	0.00	0.00	2.46	0.00	1.61	0.00	0.00
CNTRL OBS	0	1	0	3	1	3	3	2	5
SMR	0.00	0.47	0.00	1.35	0.50	1.17	1.17	0.72	1.92
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	0	1	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	3.51	0.00	0.00
	CNTRL OBS	0	0	0	0	0	3	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	2.64	0.00	0.00

Table 2-D.1

Age at death: 40 to 59

Brunswick 1,2 (1975)  
Brunswick, NC

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA	STUDY OBS	1	1	0	3	0	1	4	2
	SMR	4.84	0.89	0.00	2.18	0.00	0.55	1.94	1.04
	CNTRL OBS	2	9	3	6	6	5	10	5
	SMR	2.25	1.87	0.56	1.02	0.93	0.70	1.24	0.68
ALL CANCER, EXCL LEUK	STUDY OBS	2	27	22	35	25	66	69	66
	SMR	0.32	0.81	0.59	0.83	0.51	1.05	0.97	1.01
	CNTRL OBS	18	90	121	185	205	248	274	250
	SMR	0.71	0.65	0.79	1.05	1.00	1.02	0.99	1.01
HODGKIN'S DISEASE	STUDY OBS	0	0	0	2	0	0	0	0
	SMR	0.00	0.00	0.00	3.69	0.00	0.00	0.00	0.00
	CNTRL OBS	0	1	1	3	3	2	1	1
	SMR	0.00	0.53	0.47	1.27	1.19	0.87	0.58	0.80
OTHER LYMPHOMA	STUDY OBS	0	0	0	1	0	3	1	2
	SMR	0.00	0.00	0.00	0.85	0.00	1.70	0.51	1.04
	CNTRL OBS	0	2	3	1	8	8	6	8
	SMR	0.00	0.60	0.71	0.20	1.31	1.14	0.78	1.09
MULTIPLE MYELOMA	STUDY OBS	0	0	1	0	1	0	2	0
	SMR	0.00	0.00	2.08	0.00	1.60	0.00	2.03	0.00
	CNTRL OBS	0	2	0	1	2	3	5	5
	SMR	0.00	1.46	0.00	0.44	0.80	0.94	1.33	1.48
DIGESTIVE ORGANS	STUDY OBS	0	6	2	11	7	10	11	9
	SMR	0.00	0.56	0.18	0.93	0.55	0.67	0.68	0.63
	CNTRL OBS	2	13	40	53	41	50	63	53
	SMR	0.24	0.30	0.89	1.10	0.79	0.87	1.02	0.99
STOMACH	STUDY OBS	0	3	2	3	1	1	2	0
	SMR	0.00	1.01	0.76	1.26	0.45	0.43	0.90	0.00
	CNTRL OBS	0	3	9	15	3	9	10	7
	SMR	0.00	0.26	0.89	1.60	0.34	1.03	1.18	1.00

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM	STUDY OBS	0	1	0	4	4	5	3	7
	SMR	0.00	0.25	0.00	0.89	0.80	0.81	0.44	1.18
	CNTRL OBS	2	4	9	10	14	18	26	20
	SMR	0.64	0.24	0.51	0.53	0.67	0.75	1.00	0.89
LIVER (PRIMARY)	STUDY OBS	0	1	0	1	1	0	1	1
	SMR	0.00	0.74	0.00	0.77	0.87	0.00	1.04	1.11
	CNTRL OBS	0	2	6	12	3	3	3	3
	SMR	0.00	0.37	1.15	2.30	0.65	0.87	0.83	0.89
TRACHEA, BRONCHUS, LUNG	STUDY OBS	2	3	3	6	4	17	32	21
	SMR	2.56	0.68	0.49	0.72	0.35	0.99	1.48	1.01
	CNTRL OBS	0	5	20	38	50	78	86	93
	SMR	0.00	0.27	0.80	1.12	1.05	1.19	1.05	1.20
BREAST (FEMALE)	STUDY OBS	0	2	6	4	2	10	6	11
	SMR	0.00	0.51	1.30	0.74	0.31	1.23	0.66	1.30
	CNTRL OBS	2	18	8	22	25	34	39	30
	SMR	0.63	1.03	0.39	0.92	0.88	1.02	1.05	0.91
THYROID	STUDY OBS	0	1	0	0	0	0	1	0
	SMR	0.00	7.39	0.00	0.00	0.00	0.00	6.64	0.00
	CNTRL OBS	0	1	1	2	0	0	1	0
	SMR	0.00	1.77	1.79	3.58	0.00	0.00	1.70	0.00
BONES & JOINTS	STUDY OBS	0	1	0	1	0	0	0	0
	SMR	0.00	3.73	0.00	4.50	0.00	0.00	0.00	0.00
	CNTRL OBS	0	2	2	2	0	1	1	0
	SMR	0.00	1.81	1.95	2.17	0.00	1.02	1.15	0.00
BLADDER	STUDY OBS	0	1	0	0	1	0	0	0
	SMR	0.00	1.46	0.00	0.00	1.43	0.00	0.00	0.00
	CNTRL OBS	0	2	1	3	2	4	2	0
	SMR	0.00	0.74	0.38	1.11	0.71	1.35	0.68	0.00
BRAIN & OTHER C.N.S.	STUDY OBS	0	2	0	2	1	1	2	4
	SMR	0.00	2.11	0.00	1.50	0.67	0.46	0.87	1.96
	CNTRL OBS	1	5	7	9	8	17	9	5
	SMR	1.30	1.18	1.37	1.53	1.22	1.98	1.00	0.64
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	1	6	3	1
	SMR	0.00	0.00	0.00	0.00	1.38	1.61	1.16	1.29

Age at death: 60 plus

Brunswick 1,2 (1975)  
Brunswick, NC

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	0	1	4	3	5	4	1	1
	SMR	0.00	0.54	1.63	0.94	1.25	0.77	0.14	0.13
CNTRL	OBS	3	3	15	12	16	15	25	24
	SMR	2.48	0.42	1.55	0.96	1.02	0.78	1.00	0.91
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	4	41	47	55	75	105	186	194
	SMR	0.36	0.67	0.66	0.63	0.68	0.71	0.90	0.88
CNTRL	OBS	41	123	178	249	311	466	629	671
	SMR	1.03	0.55	0.65	0.74	0.75	0.87	0.87	0.87
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	0	0	1	1	1	0	1	0
	SMR	0.00	0.00	2.31	1.95	1.65	0.00	1.51	0.00
CNTRL	OBS	0	2	2	3	2	5	1	0
	SMR	0.00	1.42	1.16	1.47	0.84	1.95	0.42	0.00
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	0	2	0	1	1	4	5	8
	SMR	0.00	1.99	0.00	0.51	0.37	1.04	0.89	1.23
CNTRL	OBS	0	3	6	6	8	17	12	21
	SMR	0.00	0.77	1.05	0.76	0.74	1.18	0.59	0.90
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	0	0	0	0	1	0	4	6
	SMR	0.00	0.00	0.00	0.00	0.59	0.00	1.04	1.43
CNTRL	OBS	0	1	2	1	6	5	7	12
	SMR	0.00	0.55	0.65	0.23	0.97	0.54	0.53	0.83
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	2	15	12	19	27	26	50	28
	SMR	0.40	0.56	0.41	0.56	0.69	0.54	0.80	0.44
CNTRL	OBS	21	54	67	94	97	132	158	182
	SMR	1.19	0.55	0.60	0.73	0.66	0.76	0.72	0.82
<b>STOMACH</b>									
STUDY	OBS	1	3	3	1	6	6	8	4
	SMR	0.64	0.36	0.38	0.13	0.79	0.76	0.89	0.48
CNTRL	OBS	10	20	21	15	16	23	23	24
	SMR	1.87	0.69	0.73	0.53	0.59	0.83	0.75	0.85

Age at death: 60 plus

Brunswick 1,2 (1975)  
Brunswick, NC

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM								
STUDY OBS	0	3	6	7	9	7	19	11
SMR	0.00	0.30	0.51	0.50	0.53	0.32	0.64	0.37
CNTRL OBS	8	15	15	40	36	50	71	83
SMR	1.18	0.39	0.33	0.72	0.54	0.60	0.67	0.78
LIVER (PRIMARY)								
STUDY OBS	0	3	3	5	3	2	1	3
SMR	0.00	0.94	0.90	1.38	0.93	0.78	0.31	0.88
CNTRL OBS	2	9	8	7	12	6	9	13
SMR	0.92	0.75	0.61	0.49	0.98	0.66	0.81	1.12
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	0	0	7	7	9	32	43	60
SMR	0.00	0.00	0.76	0.49	0.42	0.94	0.81	0.98
CNTRL OBS	3	9	12	31	56	106	167	174
SMR	0.80	0.40	0.34	0.59	0.72	0.89	0.92	0.83
BREAST (FEMALE)								
STUDY OBS	1	1	2	2	2	5	9	13
SMR	1.43	0.26	0.45	0.36	0.29	0.51	0.64	0.84
CNTRL OBS	2	6	10	9	25	20	37	43
SMR	0.71	0.37	0.51	0.37	0.83	0.50	0.68	0.73
THYROID								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	4	1	1	2	0	5
SMR	0.00	0.00	3.31	0.75	0.69	1.19	0.00	2.79
BONES & JOINTS								
STUDY OBS	0	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	0.00	1.76	0.00	0.00
CNTRL OBS	2	1	2	2	2	4	1	3
SMR	6.30	0.58	1.20	1.21	1.09	1.93	0.51	2.49
BLADDER								
STUDY OBS	0	0	3	1	4	3	7	10
SMR	0.00	0.00	1.14	0.32	1.07	0.63	1.16	1.74
CNTRL OBS	2	4	7	10	7	11	15	17
SMR	1.35	0.48	0.71	0.85	0.50	0.64	0.72	0.85
BRAIN & OTHER C.N.S.								
STUDY OBS	0	1	1	0	0	0	4	3
SMR	0.00	2.26	1.63	0.00	0.00	0.00	1.04	0.72
CNTRL OBS	1	1	2	3	3	6	13	19
SMR	3.28	0.56	0.78	0.83	0.56	0.63	0.94	1.28
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	0	2	3	2
SMR	0.00	0.00	0.00	0.00	0.00	1.17	1.73	2.62
CNTRL OBS	0	0	0	0	0	5	4	3
SMR	0.00	0.00	0.00	0.00	0.00	0.80	0.65	1.11



Age at death: all

Brunswick 1,2 (1975)  
Brunswick, NC

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	1	4	5	9	5	6	7	3
	SMR	1.10	0.82	0.89	1.40	0.68	0.65	0.63	0.27
CNTRL	OBS	6	17	28	24	28	31	37	36
	SMR	1.50	0.78	1.11	0.85	0.91	0.88	0.89	0.88
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	6	74	72	96	106	178	270	271
	SMR	0.32	0.72	0.62	0.70	0.64	0.81	0.94	0.92
CNTRL	OBS	71	244	327	467	549	741	944	974
	SMR	0.98	0.61	0.70	0.85	0.84	0.91	0.91	0.92
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	0	0	1	3	2	0	2	0
	SMR	0.00	0.00	0.70	1.87	1.14	0.00	1.23	0.00
CNTRL	OBS	0	5	4	9	8	8	3	3
	SMR	0.00	0.83	0.59	1.21	1.04	1.07	0.47	0.59
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	0	3	0	3	1	7	7	10
	SMR	0.00	1.30	0.00	0.81	0.21	1.12	0.85	1.11
CNTRL	OBS	2	7	11	8	17	27	22	33
	SMR	1.13	0.71	0.86	0.50	0.87	1.12	0.71	0.99
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	0	0	1	0	2	0	6	6
	SMR	0.00	0.00	0.76	0.00	0.85	0.00	1.23	1.17
CNTRL	OBS	0	3	2	2	8	8	12	17
	SMR	0.00	0.90	0.39	0.30	0.91	0.64	0.70	0.94
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	2	21	14	31	34	37	65	40
	SMR	0.28	0.54	0.34	0.66	0.65	0.58	0.82	0.51
CNTRL	OBS	25	73	109	151	142	185	224	241
	SMR	0.92	0.49	0.67	0.83	0.70	0.78	0.78	0.86
<b>STOMACH</b>									
STUDY	OBS	1	6	5	5	7	7	10	4
	SMR	0.45	0.52	0.47	0.48	0.70	0.67	0.88	0.39
CNTRL	OBS	10	23	30	31	20	34	33	32
	SMR	1.27	0.55	0.75	0.80	0.54	0.91	0.83	0.88

Age at death: all

Brunswick 1,2 (1975)  
Brunswick, NC

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM	STUDY OBS	0	4	6	11	13	13	24	21
	SMR	0.00	0.27	0.37	0.58	0.58	0.45	0.65	0.58
	CNTRL OBS	10	22	25	52	52	68	100	105
	SMR	0.96	0.38	0.38	0.68	0.58	0.62	0.75	0.81
LIVER (PRIMARY)	STUDY OBS	0	4	3	6	4	2	2	4
	SMR	0.00	0.85	0.62	1.18	0.88	0.55	0.46	0.89
	CNTRL OBS	4	12	14	19	15	9	12	18
	SMR	1.18	0.65	0.73	0.94	0.86	0.68	0.78	1.14
TRACHEA, BRONCHUS, LUNG	STUDY OBS	2	4	10	13	13	50	76	81
	SMR	1.05	0.37	0.64	0.57	0.39	0.96	1.01	0.98
	CNTRL OBS	3	15	33	70	109	185	256	272
	SMR	0.41	0.35	0.53	0.79	0.85	0.99	0.96	0.94
BREAST (FEMALE)	STUDY OBS	1	3	8	7	4	16	16	27
	SMR	0.64	0.35	0.81	0.60	0.28	0.85	0.66	1.07
	CNTRL OBS	4	26	20	33	51	56	81	81
	SMR	0.60	0.70	0.46	0.64	0.82	0.72	0.84	0.84
THYROID	STUDY OBS	0	1	0	0	0	0	1	0
	SMR	0.00	2.38	0.00	0.00	0.00	0.00	1.44	0.00
	CNTRL OBS	1	1	5	3	1	2	1	5
	SMR	3.23	0.59	2.65	1.50	0.47	0.86	0.38	2.15
BONES & JOINTS	STUDY OBS	0	3	0	1	0	1	1	0
	SMR	0.00	2.85	0.00	1.06	0.00	0.85	0.89	0.00
	CNTRL OBS	2	3	6	4	4	7	5	4
	SMR	2.40	0.69	1.41	0.99	0.96	1.53	1.16	1.39
BLADDER	STUDY OBS	0	1	3	1	5	3	7	10
	SMR	0.00	0.33	0.90	0.26	1.12	0.54	1.02	1.56
	CNTRL OBS	2	6	9	13	9	15	17	18
	SMR	0.98	0.53	0.71	0.89	0.53	0.74	0.72	0.80
BRAIN & OTHER C.N.S.	STUDY OBS	0	3	2	4	2	2	6	7
	SMR	0.00	1.25	0.72	1.22	0.52	0.34	0.82	0.97
	CNTRL OBS	3	9	12	20	16	30	27	33
	SMR	1.43	0.80	0.91	1.33	0.97	1.30	0.97	1.22
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	0	3	3	2
	SMR	0.00	0.00	0.00	0.00	0.00	0.93	1.09	1.88
	CNTRL OBS	0	0	0	0	1	17	7	4
	SMR	0.00	0.00	0.00	0.00	0.44	1.40	0.68	1.03

Table 2-D.2

Age at death: under 10		Cook 1,2 (1975) Berrien, MI							YEARS AFTER STARTUP	
		YEARS BEFORE STARTUP					1976-80	1981-84		
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75			
LEUKEMIA & ALEUKEMIA										
STUDY	OBS	1	11	10	8	2	3	2	0	
	SMR	0.92	1.82	1.42	1.16	0.35	0.70	0.71	0.00	
CNTRL	OBS	3	12	16	18	11	8	7	1	
	SMR	1.15	0.84	0.99	1.16	0.90	0.93	1.25	0.30	
ALL CANCER, EXCL LEUK										
STUDY	OBS	2	12	13	6	8	2	7	6	
	SMR	1.73	1.85	1.75	0.84	1.33	0.41	1.81	2.22	
CNTRL	OBS	5	22	16	17	19	12	13	3	
	SMR	1.81	1.45	0.94	1.07	1.49	1.23	1.71	0.53	
HODGKIN'S DISEASE										
STUDY	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
OTHER LYMPHOMA										
STUDY	OBS	0	2	2	1	1	0	1	0	
	SMR	0.00	2.24	1.89	1.02	1.33	0.00	2.46	0.00	
CNTRL	OBS	1	1	3	2	1	3	1	0	
	SMR	2.65	0.48	1.23	0.92	0.62	2.66	1.27	0.00	
MULTIPLE MYELOMA										
STUDY	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DIGESTIVE ORGANS										
STUDY	OBS	0	1	0	0	0	1	0	0	
	SMR	0.00	2.66	0.00	0.00	0.00	4.21	0.00	0.00	
CNTRL	OBS	0	0	1	1	0	1	0	0	
	SMR	0.00	0.00	1.13	1.27	0.00	2.14	0.00	0.00	
STOMACH										
STUDY	OBS	0	0	0	0	0	0	0	0	
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL	OBS	0	0	0	1	0	0	0	0	
	SMR	0.00	0.00	0.00	50.97	0.00	0.00	0.00	0.00	

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	0	1	0	0	0	0	0	0
SMR	0.00	18.39	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>LIVER (PRIMARY)</b>								
STUDY OBS	0	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	0.00	5.73	0.00	0.00
CNTRL OBS	0	0	1	0	0	1	0	0
SMR	0.00	0.00	2.07	0.00	0.00	2.90	0.00	0.00
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	0	1	0	0	0	0	0	0
SMR	0.00	16.52	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BREAST (FEMALE)</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	0	0	0	0	0	0
SMR	0.00	41.74	0.00	0.00	0.00	0.00	0.00	0.00
<b>THYROID</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BONES &amp; JOINTS</b>								
STUDY OBS	0	1	2	1	0	0	0	0
SMR	0.00	4.03	7.53	4.13	0.00	0.00	0.00	0.00
CNTRL OBS	0	2	0	0	1	0	1	0
SMR	0.00	3.45	0.00	0.00	2.07	0.00	3.87	0.00
<b>BLADDER</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	2	4	6	2	5	0	2	2
SMR	4.49	1.59	1.95	0.66	2.16	0.00	1.46	2.14
CNTRL OBS	2	9	6	12	6	5	2	2
SMR	1.88	1.52	0.85	1.78	1.22	1.40	0.75	1.02
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	0	0	1	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	2.15	0.00
CNTRL OBS	0	0	0	0	0	4	0	0
SMR	0.00	0.00	0.00	0.00	0.00	2.56	0.00	0.00



Age at death: 10 to 19

Cook 1,2 (1975)  
Berrien, MI

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM	STUDY OBS	0	0	1	0	0	0	0	0
	SMR	0.00	0.00	10.31	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	1	0	0	0	0	0
	SMR	0.00	0.00	4.64	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)	STUDY OBS	0	0	1	0	0	0	0	0
	SMR	0.00	0.00	11.34	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	1	0	0	0
	SMR	0.00	0.00	0.00	0.00	3.86	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	1	0	0	0	0	0	0
	SMR	0.00	5.98	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS	STUDY OBS	0	1	0	2	3	0	1	2
	SMR	0.00	1.23	0.00	1.80	2.45	0.00	1.09	3.47
	CNTRL OBS	0	4	4	2	5	2	2	2
	SMR	0.00	2.10	1.80	0.82	1.86	0.81	1.08	1.70
BLADDER	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.	STUDY OBS	0	3	2	1	1	1	3	1
	SMR	0.00	2.82	1.46	0.64	0.65	0.61	2.25	1.20
	CNTRL OBS	0	7	5	2	4	5	2	0
	SMR	0.00	2.81	1.63	0.58	1.19	1.46	0.74	0.00
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	1	0	1
	SMR	0.00	0.00	0.00	0.00	0.00	0.76	0.00	15.52



Age at death: 20 to 39

Cook 1,2 (1975)  
Berrien, MI

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	2	3	7	1	4	9	6	5
	SMR	2.53	0.73	1.62	0.24	0.97	2.06	1.31	1.43
CNTRL	OBS	3	5	11	8	7	8	10	4
	SMR	1.61	0.53	1.16	0.90	0.83	0.93	1.10	0.54
ALL CANCER, EXCL LEUK									
STUDY	OBS	7	23	35	44	48	47	29	43
	SMR	0.96	0.61	0.88	1.12	1.32	1.33	0.83	1.57
CNTRL	OBS	14	95	87	83	70	80	94	63
	SMR	0.83	1.11	1.01	1.01	0.94	1.15	1.37	1.11
HODGKIN'S DISEASE									
STUDY	OBS	1	1	5	2	6	6	2	1
	SMR	1.63	0.32	1.46	0.56	1.74	1.97	0.87	0.67
CNTRL	OBS	0	10	4	10	5	9	5	6
	SMR	0.00	1.37	0.53	1.31	0.70	1.49	1.08	1.87
OTHER LYMPHOMA									
STUDY	OBS	0	1	3	7	4	0	2	1
	SMR	0.00	0.52	1.45	3.17	1.88	0.00	0.88	0.53
CNTRL	OBS	2	8	4	6	4	3	6	3
	SMR	2.27	1.81	0.88	1.28	0.91	0.70	1.32	0.76
MULTIPLE MYELOMA									
STUDY	OBS	0	0	0	0	0	0	1	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	6.19	0.00
CNTRL	OBS	0	0	0	0	0	0	1	1
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	3.25	3.83
DIGESTIVE ORGANS									
STUDY	OBS	1	5	6	10	7	8	0	6
	SMR	0.71	0.69	0.85	1.56	1.24	1.51	0.00	1.49
CNTRL	OBS	5	17	13	13	10	10	16	7
	SMR	1.52	1.04	0.85	0.96	0.87	0.97	1.58	0.85
STOMACH									
STUDY	OBS	0	0	2	2	1	2	0	2
	SMR	0.00	0.00	1.29	1.51	0.96	2.13	0.00	2.89
CNTRL	OBS	0	7	5	6	1	0	2	0
	SMR	0.00	1.84	1.49	2.17	0.48	0.00	1.19	0.00

Age at death: 20 to 39

Cook 1,2 (1975)  
Berrien, MI

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM								
STUDY OBS	1	4	4	7	2	1	0	1
SMR	1.44	1.12	1.16	2.28	0.74	0.39	0.00	0.53
CNTRL OBS	3	7	4	4	7	6	10	4
SMR	1.86	0.87	0.54	0.62	1.26	1.20	2.02	1.03
LIVER (PRIMARY)								
STUDY OBS	0	0	0	0	1	3	0	0
SMR	0.00	0.00	0.00	0.00	1.73	5.82	0.00	0.00
CNTRL OBS	1	3	1	0	2	2	2	0
SMR	2.84	1.72	0.64	0.00	1.72	2.03	1.87	0.00
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	1	2	1	4	6	5	3	5
SMR	2.52	0.92	0.35	1.22	1.76	1.45	0.89	2.01
CNTRL OBS	0	2	2	7	5	18	8	7
SMR	0.00	0.40	0.33	1.01	0.72	2.67	1.22	1.35
BREAST (FEMALE)								
STUDY OBS	1	3	6	5	3	5	3	6
SMR	1.05	0.59	1.07	0.90	0.59	0.99	0.56	1.27
CNTRL OBS	1	16	13	9	7	10	12	10
SMR	0.46	1.42	1.09	0.78	0.67	1.00	1.15	1.04
THYROID								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	1	0	1	1	0
SMR	0.00	0.00	0.00	3.71	0.00	5.08	6.02	0.00
BONES & JOINTS								
STUDY OBS	0	1	0	0	0	0	0	0
SMR	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	2	3	1	1	1	2	0
SMR	0.00	1.16	1.94	0.74	0.79	0.72	1.38	0.00
BLADDER								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	1	1	0	0	1	0
SMR	0.00	2.04	2.62	3.01	0.00	0.00	5.13	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	0	2	2	2	4	6	3	8
SMR	0.00	0.63	0.58	0.60	1.33	1.76	0.91	3.20
CNTRL OBS	0	13	9	6	5	5	10	6
SMR	0.00	1.79	1.20	0.84	0.80	0.74	1.53	1.12
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	0	3	1	1
SMR	0.00	0.00	0.00	0.00	0.00	2.12	1.10	4.21
CNTRL OBS	0	0	0	0	1	3	2	1
SMR	0.00	0.00	0.00	0.00	1.77	1.09	1.13	2.06

Age at death: 40 to 59

Cook 1,2 (1975)  
Berrien, MI

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	1	7	7	14	13	13	9	6
	SMR	0.60	0.79	0.72	1.37	1.23	1.26	0.88	0.78
CNTRL	OBS	3	17	17	19	29	18	21	15
	SMR	0.79	0.85	0.80	0.86	1.30	0.84	1.00	0.94
ALL CANCER, EXCL LEUK									
STUDY	OBS	36	241	277	280	339	358	323	248
	SMR	0.82	1.02	1.06	0.97	1.06	1.05	0.94	0.97
CNTRL	OBS	96	472	532	532	673	693	689	568
	SMR	0.95	0.89	0.93	0.86	0.99	0.98	0.98	1.07
HODGKIN'S DISEASE									
STUDY	OBS	0	3	7	3	6	9	4	1
	SMR	0.00	0.87	1.78	0.72	1.42	2.66	1.83	0.77
CNTRL	OBS	1	5	5	13	16	14	5	4
	SMR	0.68	0.64	0.58	1.46	1.79	1.99	1.11	1.47
OTHER LYMPHOMA									
STUDY	OBS	3	5	8	6	18	15	11	7
	SMR	2.61	0.79	1.03	0.66	1.74	1.44	1.09	0.89
CNTRL	OBS	2	13	10	19	29	19	22	15
	SMR	0.76	0.91	0.59	0.97	1.33	0.87	1.06	0.91
MULTIPLE MYELOMA									
STUDY	OBS	0	3	2	5	2	9	4	4
	SMR	0.00	1.31	0.66	1.46	0.57	2.18	0.90	1.18
CNTRL	OBS	0	3	6	5	6	10	12	7
	SMR	0.00	0.58	0.90	0.68	0.79	1.15	1.32	1.01
DIGESTIVE ORGANS									
STUDY	OBS	10	66	73	73	82	71	53	48
	SMR	0.71	0.89	0.97	0.95	1.04	0.91	0.70	0.88
CNTRL	OBS	25	138	150	128	153	164	158	107
	SMR	0.77	0.83	0.91	0.77	0.91	1.00	1.02	0.95
STOMACH									
STUDY	OBS	4	14	15	14	14	11	7	4
	SMR	1.13	0.77	0.95	1.00	1.11	0.97	0.70	0.57
CNTRL	OBS	6	28	32	19	19	20	13	10
	SMR	0.74	0.68	0.92	0.63	0.71	0.84	0.63	0.69

Age at death: 40 to 59

Cook 1,2 (1975)  
Berrien, MI

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80 1981-84
COLON & RECTUM							
STUDY OBS	3	31	31	30	38	38	23
SMR	0.52	1.02	0.99	0.92	1.12	1.11	0.69
CNTRL OBS	9	62	74	59	73	75	71
SMR	0.68	0.91	1.07	0.84	1.01	1.05	1.04
LIVER (PRIMARY)							
STUDY OBS	1	9	15	7	5	0	5
SMR	0.57	0.99	1.76	0.86	0.76	0.00	1.19
CNTRL OBS	6	16	17	16	20	9	11
SMR	1.50	0.78	0.91	0.91	1.42	0.97	1.27
TRACHEA, BRONCHUS, LUNG							
STUDY OBS	2	40	42	58	89	91	119
SMR	0.33	1.19	0.93	1.00	1.18	0.98	1.15
CNTRL OBS	14	71	99	110	168	164	194
SMR	0.99	0.92	0.99	0.88	1.05	0.85	0.91
BREAST (FEMALE)							
STUDY OBS	6	33	34	44	46	57	39
SMR	1.05	1.07	0.96	1.10	1.02	1.20	0.84
CNTRL OBS	13	72	70	60	87	87	87
SMR	1.02	1.06	0.91	0.70	0.92	0.89	0.92
THYROID							
STUDY OBS	0	1	1	0	0	0	2
SMR	0.00	1.00	1.03	0.00	0.00	0.00	2.72
CNTRL OBS	0	3	3	0	1	2	0
SMR	0.00	1.34	1.41	0.00	0.55	1.22	0.00
BONES & JOINTS							
STUDY OBS	0	1	2	0	0	3	1
SMR	0.00	0.52	1.14	0.00	0.00	2.22	0.93
CNTRL OBS	2	6	4	2	2	2	2
SMR	2.37	1.40	1.04	0.61	0.66	0.71	0.91
BLADDER							
STUDY OBS	0	10	3	3	8	4	6
SMR	0.00	2.17	0.68	0.70	1.87	0.96	1.59
CNTRL OBS	2	5	10	8	7	9	9
SMR	0.97	0.48	1.03	0.86	0.77	1.03	1.15
BRAIN & OTHER C.N.S.							
STUDY OBS	5	11	13	12	7	13	12
SMR	3.23	1.31	1.33	1.11	0.62	1.00	1.02
CNTRL OBS	6	12	23	29	25	32	22
SMR	1.68	0.63	1.07	1.25	1.05	1.19	0.90
BENIGN & UNSPEC NEOPLASMS							
STUDY OBS	0	0	0	0	1	6	1
SMR	0.00	0.00	0.00	0.00	0.94	1.18	0.32
CNTRL OBS	0	0	0	0	1	7	7
SMR	0.00	0.00	0.00	0.00	0.44	0.66	1.08

Age at death: 60 plus

Cook 1,2 (1975)  
Berrien, MI

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	2	22	46	25	33	49	32	34
	SMR	0.58	1.13	1.83	0.85	1.01	1.40	0.82	0.98
CNTRL	OBS	3	40	67	59	69	82	83	63
	SMR	0.41	0.98	1.31	0.99	1.04	1.15	1.05	0.89
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	119	628	724	752	804	910	1016	928
	SMR	1.12	1.08	1.09	1.02	0.99	1.00	0.97	0.98
CNTRL	OBS	220	1319	1416	1509	1652	1924	2202	1967
	SMR	0.96	1.08	1.04	1.01	1.00	1.04	1.03	1.02
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	1	3	5	3	3	2	3	2
	SMR	1.46	0.80	1.15	0.65	0.63	0.45	0.85	0.78
CNTRL	OBS	2	12	11	10	19	10	8	10
	SMR	1.35	1.52	1.24	1.06	1.93	1.09	1.11	1.89
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	2	19	15	29	30	34	37	28
	SMR	1.09	1.82	1.04	1.60	1.36	1.33	1.20	0.94
CNTRL	OBS	5	20	25	38	47	44	71	65
	SMR	1.27	0.91	0.84	1.03	1.04	0.84	1.13	1.06
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	0	6	17	10	12	8	12	15
	SMR	0.00	1.38	2.44	1.11	1.05	0.54	0.65	0.87
CNTRL	OBS	2	12	20	20	19	51	44	40
	SMR	1.28	1.31	1.41	1.09	0.81	1.70	1.18	1.14
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	53	287	307	308	278	320	309	258
	SMR	1.11	1.11	1.11	1.07	0.95	1.06	0.95	0.94
CNTRL	OBS	97	580	567	576	561	607	639	531
	SMR	0.95	1.07	1.00	0.98	0.94	0.99	0.97	0.95
<b>STOMACH</b>									
STUDY	OBS	19	93	91	64	57	47	39	42
	SMR	1.38	1.28	1.35	1.06	1.10	1.02	0.88	1.22
CNTRL	OBS	31	191	142	117	89	84	71	54
	SMR	1.05	1.25	1.03	0.96	0.85	0.90	0.80	0.77

Age at death: 60 plus

Cook 1,2 (1975)  
Berrien, MI

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM									
	STUDY OBS	22	104	125	137	129	157	163	130
	SMR	1.14	0.99	1.05	1.06	0.94	1.06	1.01	0.96
	CNTRL OBS	44	230	255	254	251	297	337	263
LIVER (PRIMARY)									
	STUDY OBS	8	35	29	44	20	11	11	11
	SMR	1.37	1.12	0.90	1.40	0.84	0.74	0.71	0.79
	CNTRL OBS	10	72	77	73	52	41	27	26
TRACHEA, BRONCHUS, LUNG									
	STUDY OBS	0.80	1.09	1.16	1.14	1.07	1.35	0.86	0.92
	SMR								
	CNTRL OBS	10	86	84	113	159	188	259	257
BREAST (FEMALE)									
	STUDY OBS	11	34	62	57	66	66	56	65
	SMR	1.45	0.81	1.30	1.07	1.10	0.96	0.71	0.91
	CNTRL OBS	17	76	133	101	142	141	161	175
THYROID									
	STUDY OBS	1	2	5	4	2	1	2	2
	SMR	2.06	0.75	1.68	1.34	0.69	0.34	0.68	0.88
	CNTRL OBS	5	4	9	4	4	4	6	9
BONES & JOINTS									
	STUDY OBS	4.78	0.71	1.47	0.66	0.68	0.66	1.01	1.93
	SMR								
	CNTRL OBS	0	5	5	4	1	0	1	2
BLADDER									
	STUDY OBS	0.00	1.10	1.20	1.08	0.27	0.00	0.34	1.32
	SMR	2	14	8	15	11	8	8	2
	CNTRL OBS	1.08	1.47	0.94	2.00	1.48	1.09	1.33	0.64
BRAIN & OTHER C.N.S.									
	STUDY OBS	2	28	28	23	35	37	33	31
	SMR	0.47	1.22	1.08	0.83	1.20	1.19	1.00	1.16
	CNTRL OBS	10	61	54	59	60	74	75	52
BENIGN & UNSPEC NEOPLASMS									
	STUDY OBS	0	0	8	5	6	11	18	19
	SMR	0.00	0.00	1.28	0.64	0.59	0.71	0.91	1.07
	CNTRL OBS	0	8	18	22	33	37	45	43
	STUDY OBS	0	0	0	0	1	11	4	5
	SMR	0.00	0.00	0.00	0.00	0.49	1.04	0.44	1.53
	CNTRL OBS	0	0	0	0	3	22	16	9
	STUDY OBS	0.00	0.00	0.00	0.00	0.72	1.02	0.86	1.35
	SMR								



Age at death: all

Cook 1,2 (1975)  
Berrien, MI

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	6	44	72	51	56	82	52	45
	SMR	0.81	1.08	1.47	0.94	0.99	1.43	0.87	0.91
CNTRL	OBS	12	81	114	108	132	121	126	90
	SMR	0.72	0.90	1.09	0.95	1.13	1.04	1.05	0.89
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	165	915	1055	1088	1208	1320	1381	1232
	SMR	1.03	1.06	1.08	1.01	1.03	1.02	0.96	1.00
CNTRL	OBS	335	1923	2068	2152	2430	2721	3006	2605
	SMR	0.95	1.03	1.01	0.97	1.00	1.03	1.03	1.03
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	2	9	17	9	19	18	9	4
	SMR	0.98	0.82	1.37	0.68	1.44	1.58	1.07	0.71
CNTRL	OBS	3	27	21	34	40	33	18	20
	SMR	0.64	1.11	0.79	1.23	1.45	1.41	1.05	1.71
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	5	29	28	43	54	50	51	37
	SMR	1.39	1.44	1.07	1.37	1.49	1.26	1.15	0.92
CNTRL	OBS	10	43	43	68	85	71	100	84
	SMR	1.24	0.98	0.78	1.04	1.13	0.87	1.11	1.01
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	0	9	19	15	14	17	17	19
	SMR	0.00	1.32	1.86	1.19	0.92	0.89	0.74	0.92
CNTRL	OBS	2	15	26	25	25	61	57	48
	SMR	0.78	1.02	1.22	0.96	0.80	1.57	1.22	1.14
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	64	359	388	391	367	400	362	312
	SMR	1.01	1.06	1.08	1.05	0.97	1.04	0.89	0.93
CNTRL	OBS	127	735	733	718	725	782	813	645
	SMR	0.92	1.01	0.98	0.94	0.93	1.00	0.99	0.94
<b>STOMACH</b>									
STUDY	OBS	23	107	108	80	72	60	46	48
	SMR	1.30	1.16	1.27	1.06	1.10	1.02	0.84	1.13
CNTRL	OBS	37	226	179	143	109	104	86	64
	SMR	0.96	1.14	1.02	0.92	0.81	0.87	0.78	0.74

Age at death: all

Cook 1,2 (1975)  
Berrien, MI

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM	STUDY OBS	26	140	161	174	169	196	186	151
	SMR	1.01	1.00	1.05	1.06	0.97	1.06	0.94	0.94
	CNTRL OBS	56	299	334	317	331	378	418	318
	SMR	0.99	1.00	1.04	0.94	0.93	1.00	1.05	0.97
LIVER (PRIMARY)	STUDY OBS	9	44	45	51	26	15	16	12
	SMR	1.16	1.06	1.08	1.26	0.83	0.75	0.78	0.67
	CNTRL OBS	17	91	96	89	75	53	40	35
	SMR	1.00	1.03	1.10	1.06	1.16	1.29	0.96	0.96
TRACHEA, BRONCHUS, LUNG	STUDY OBS	13	129	127	175	254	284	381	344
	SMR	0.79	1.38	0.96	1.00	1.12	0.98	1.06	1.05
	CNTRL OBS	29	201	287	336	452	617	755	717
	SMR	0.79	0.99	1.03	0.92	0.95	1.02	1.02	1.05
BREAST (FEMALE)	STUDY OBS	18	70	102	106	115	128	98	107
	SMR	1.26	0.90	1.15	1.08	1.05	1.06	0.75	0.97
	CNTRL OBS	31	165	216	170	236	238	260	267
	SMR	0.99	0.98	1.15	0.82	1.03	0.96	0.98	1.19
THYROID	STUDY OBS	1	3	6	4	2	1	4	2
	SMR	1.42	0.79	1.46	0.99	0.51	0.26	1.06	0.70
	CNTRL OBS	5	7	12	5	5	7	7	9
	SMR	3.23	0.85	1.39	0.60	0.62	0.89	0.92	1.55
BONES & JOINTS	STUDY OBS	0	9	9	7	4	3	3	4
	SMR	0.00	1.09	1.14	0.97	0.56	0.43	0.52	1.25
	CNTRL OBS	4	28	19	20	20	13	15	4
	SMR	1.14	1.55	1.14	1.33	1.34	0.91	1.27	0.60
BLADDER	STUDY OBS	2	38	31	26	43	41	39	35
	SMR	0.39	1.36	1.02	0.81	1.28	1.16	1.06	1.19
	CNTRL OBS	12	67	65	68	67	83	85	61
	SMR	1.07	1.13	1.04	1.04	0.98	1.15	1.14	1.02
BRAIN & OTHER C.N.S.	STUDY OBS	7	20	31	22	23	31	38	37
	SMR	1.93	1.01	1.30	0.83	0.81	0.88	1.01	1.21
	CNTRL OBS	8	49	61	71	73	84	81	73
	SMR	0.96	1.10	1.17	1.25	1.22	1.15	1.05	1.15
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	2	20	7	8
	SMR	0.00	0.00	0.00	0.00	0.54	1.08	0.50	1.80
	CNTRL OBS	0	0	0	0	5	37	25	12
	SMR	0.00	0.00	0.00	0.00	0.65	0.98	0.88	1.33

### Table 2-D.3

[illegible]

		Trojan (1975) Columbia, OR ; Cowlitz, WA					YEARS AFTER STARTUP		
		YEARS BEFORE STARTUP					1976-80	1981-84	
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75		
COLON & RECTUM									
STUDY	OBS	1	0	0	0	0	0	0	0
SMR		152.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	1	0	0	0	0	0
SMR		0.00	0.00	14.58	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)									
STUDY	OBS	0	1	0	0	1	0	0	0
SMR		0.00	8.48	0.00	0.00	9.51	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	1	0	0
SMR		0.00	0.00	0.00	0.00	0.00	3.56	0.00	0.00
TRACHEA, BRONCHUS, LUNG									
STUDY	OBS	0	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)									
STUDY	OBS	0	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID									
STUDY	OBS	0	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS									
STUDY	OBS	0	0	0	0	0	0	1	1
SMR		0.00	0.00	0.00	0.00	0.00	0.00	11.40	16.71
CNTRL	OBS	0	0	0	0	0	1	1	0
SMR		0.00	0.00	0.00	0.00	0.00	3.62	3.98	0.00
BLADDER									
STUDY	OBS	0	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
SMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.									
STUDY	OBS	1	2	3	2	4	2	2	1
SMR		3.17	1.23	1.74	1.20	2.95	1.86	2.21	1.38
CNTRL	OBS	0	3	7	6	3	3	2	2
SMR		0.00	0.69	1.53	1.37	0.86	1.05	0.76	0.91
BENIGN & UNSPEC NEOPLASMS									
STUDY	OBS	0	0	0	0	1	2	2	1
SMR		0.00	0.00	0.00	0.00	9.85	4.29	6.86	11.36
CNTRL	OBS	0	0	0	0	0	1	1	1
SMR		0.00	0.00	0.00	0.00	0.00	0.80	1.18	3.65



С.В. Козлов

[illegible]



Age at death: 20 to 39

Trojan (1975)  
Columbia, OR ; Cowlitz, WA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	0	2	2	4	1	1	5	1
	SMR	0.00	0.81	0.89	1.82	0.42	0.37	1.62	0.37
CNTRL	OBS	3	3	2	6	4	6	9	8
	SMR	2.03	0.43	0.33	1.02	0.64	0.80	0.95	0.92
ALL CANCER, EXCL LEUK									
STUDY	OBS	3	24	20	19	16	18	27	22
	SMR	0.63	1.07	0.99	0.96	0.79	0.84	1.15	1.05
CNTRL	OBS	16	52	37	60	48	58	70	59
	SMR	1.19	0.83	0.67	1.13	0.90	0.98	0.98	0.88
HODGKIN'S DISEASE									
STUDY	OBS	0	3	2	1	3	3	3	1
	SMR	0.00	1.54	1.10	0.52	1.45	1.53	1.85	0.83
CNTRL	OBS	1	6	4	7	3	11	6	2
	SMR	0.86	1.10	0.81	1.35	0.55	2.02	1.21	0.52
OTHER LYMPHOMA									
STUDY	OBS	0	1	2	3	1	1	4	3
	SMR	0.00	0.85	1.85	2.60	0.81	0.73	2.55	2.05
CNTRL	OBS	2	5	0	1	5	2	5	4
	SMR	2.85	1.52	0.00	0.32	1.53	0.53	1.04	0.84
MULTIPLE MYELOMA									
STUDY	OBS	0	1	0	0	0	0	0	0
	SMR	0.00	10.63	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	1	1	0	0	0
	SMR	0.00	0.00	0.00	4.50	4.59	0.00	0.00	0.00
DIGESTIVE ORGANS									
STUDY	OBS	0	4	4	1	1	0	4	2
	SMR	0.00	0.93	1.14	0.32	0.33	0.00	1.20	0.68
CNTRL	OBS	5	12	6	9	9	6	5	6
	SMR	1.92	1.00	0.62	1.07	1.13	0.70	0.49	0.63
STOMACH									
STUDY	OBS	0	1	1	0	0	0	0	0
	SMR	0.00	1.03	1.34	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	1	2	2	1	0	0	0	1
	SMR	1.68	0.73	0.97	0.60	0.00	0.00	0.00	0.64

Trojan (1975)

[illegible]

Age at death: 40 to 59

Trojan (1975)  
Columbia, OR ; Cowlitz, WA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	1	3	5	8	3	8	7	3
	SMR	0.91	0.53	0.86	1.31	0.47	1.29	1.13	0.60
CNTRL	OBS	0	16	15	15	22	19	15	13
	SMR	0.00	0.95	0.88	0.85	1.19	1.04	0.78	0.82
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	28	114	132	158	156	177	184	158
	SMR	1.01	0.79	0.87	0.95	0.83	0.90	0.92	1.00
CNTRL	OBS	73	359	396	439	527	568	622	527
	SMR	0.86	0.82	0.88	0.90	0.96	0.96	1.00	1.04
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	1	1	4	3	1	2	1	0
	SMR	2.30	0.44	1.67	1.21	0.39	0.98	0.74	0.00
CNTRL	OBS	0	8	10	9	9	3	4	1
	SMR	0.00	1.21	1.44	1.27	1.22	0.50	0.97	0.36
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	1	3	6	5	10	4	4	3
	SMR	1.30	0.74	1.28	0.91	1.57	0.63	0.64	0.57
CNTRL	OBS	3	8	11	17	18	17	17	19
	SMR	1.30	0.66	0.80	1.06	0.97	0.90	0.88	1.15
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	0	2	0	4	0	4	2	3
	SMR	0.00	1.45	0.00	2.12	0.00	1.77	0.83	1.56
CNTRL	OBS	0	3	5	6	7	7	8	4
	SMR	0.00	0.72	0.99	1.08	1.20	1.02	1.05	0.64
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	9	26	38	35	30	42	27	28
	SMR	1.02	0.58	0.88	0.80	0.66	0.95	0.63	0.86
CNTRL	OBS	33	111	103	104	125	129	131	110
	SMR	1.21	0.81	0.81	0.81	0.93	0.97	0.98	1.05
<b>STOMACH</b>									
STUDY	OBS	2	6	9	1	2	5	1	3
	SMR	0.92	0.56	1.03	0.13	0.29	0.80	0.18	0.72
CNTRL	OBS	8	20	24	18	21	19	27	15
	SMR	1.19	0.62	0.92	0.80	1.02	1.02	1.57	1.13

Trojan (1975)  
Columbia, OR ; Cowlitz, WA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM	STUDY OBS	3	11	13	12	14	19	11	11
	SMR	0.81	0.58	0.69	0.62	0.68	0.93	0.56	0.75
	CNTRL OBS	11	39	47	41	46	58	51	52
	SMR	0.97	0.68	0.85	0.72	0.76	0.95	0.83	1.10
LIVER (PRIMARY)	STUDY OBS	0	4	5	6	3	4	1	1
	SMR	0.00	0.74	1.05	1.32	0.82	1.68	0.45	0.54
	CNTRL OBS	8	16	7	7	6	7	3	5
	SMR	2.39	0.97	0.49	0.52	0.55	0.97	0.43	0.83
TRACHEA, BRONCHUS, LUNG	STUDY OBS	2	14	23	32	38	46	66	61
	SMR	0.49	0.65	0.85	0.93	0.84	0.85	1.09	1.21
	CNTRL OBS	6	37	67	94	125	154	215	213
	SMR	0.49	0.57	0.84	0.94	0.95	0.96	1.15	1.32
BREAST (FEMALE)	STUDY OBS	5	25	17	18	22	24	28	21
	SMR	1.43	1.35	0.83	0.78	0.84	0.88	1.03	1.00
	CNTRL OBS	6	57	58	61	63	78	75	53
	SMR	0.56	1.01	0.95	0.89	0.80	0.94	0.88	0.79
THYROID	STUDY OBS	0	0	0	2	1	0	0	0
	SMR	0.00	0.00	0.00	3.81	2.01	0.00	0.00	0.00
	CNTRL OBS	0	2	1	1	1	1	2	1
	SMR	0.00	1.08	0.59	0.65	0.68	0.72	1.48	1.03
BONES & JOINTS	STUDY OBS	0	2	0	0	0	2	0	0
	SMR	0.00	1.69	0.00	0.00	0.00	2.57	0.00	0.00
	CNTRL OBS	0	3	2	2	1	3	2	2
	SMR	0.00	0.85	0.66	0.78	0.40	1.29	1.04	1.89
BLADDER	STUDY OBS	0	1	0	5	3	2	2	2
	SMR	0.00	0.36	0.00	2.05	1.19	0.82	0.89	1.25
	CNTRL OBS	1	5	7	5	9	9	8	4
	SMR	0.58	0.59	0.94	0.70	1.22	1.23	1.14	0.78
BRAIN & OTHER C.N.S.	STUDY OBS	1	6	4	10	13	5	5	2
	SMR	0.94	1.09	0.66	1.51	1.85	0.63	0.68	0.35
	CNTRL OBS	1	20	16	15	25	25	24	20
	SMR	0.32	1.22	0.91	0.78	1.23	1.07	1.06	1.10
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	1	0	1	1
	SMR	0.00	0.00	0.00	0.00	1.63	0.00	0.56	2.23
	CNTRL OBS	0	0	0	0	0	6	4	1
	SMR	0.00	0.00	0.00	0.00	0.00	0.70	0.72	0.70

Age at death: 60 plus

Trojan (1975)  
Columbia, OR ; Cowlitz, WA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	3	10	16	20	21	16	37	26
	SMR	1.55	0.90	1.09	1.14	1.05	0.72	1.42	1.08
	CNTRL	11	43	40	53	71	50	87	83
ALL CANCER, EXCL LEUK	SMR	1.60	1.12	0.81	0.91	1.07	0.69	1.04	1.05
	OBS	51	290	349	399	444	548	671	617
	SMR	0.88	0.90	0.92	0.93	0.92	0.97	0.98	0.97
CNTRL	OBS	204	1105	1242	1331	1526	1816	2155	2139
	SMR	1.00	0.99	0.98	0.94	0.95	0.99	0.97	1.01
	OBS	0	1	1	1	6	3	1	2
HODGKIN'S DISEASE	SMR	0.00	0.46	0.40	0.36	2.01	1.03	0.42	1.10
	OBS	2	6	7	9	10	10	1	1
	SMR	1.44	0.81	0.83	0.99	1.03	1.07	1.29	0.17
OTHER LYMPHOMA									
STUDY	OBS	0	7	8	9	15	18	22	25
	SMR	0.00	1.17	0.95	0.83	1.10	1.09	1.05	1.19
	OBS	3	26	35	42	43	52	63	57
CNTRL	SMR	0.82	1.26	1.25	1.18	0.96	0.98	0.94	0.82
	OBS	1	2	5	3	11	9	15	10
	SMR	2.41	0.81	1.27	0.58	1.64	1.02	1.31	0.91
MULTIPLE MYELOMA	OBS	4	8	16	20	24	32	36	39
	SMR	2.75	0.94	1.22	1.17	1.09	1.12	0.97	1.07
	OBS	29	131	139	142	151	157	218	157
DIGESTIVE ORGANS	SMR	1.12	0.92	0.89	0.85	0.87	0.85	1.04	0.85
	OBS	99	494	507	504	510	577	638	597
	SMR	1.08	1.00	0.96	0.91	0.89	0.96	0.95	0.98
STOMACH									
STUDY	OBS	13	49	37	40	30	25	23	11
	SMR	1.74	1.22	0.98	1.17	1.00	0.91	0.84	0.50
	OBS	41	160	144	117	113	102	88	72
CNTRL	SMR	1.54	1.15	1.12	1.02	1.14	1.14	1.00	0.98

Age at death: 60 plus

Trojan (1975)  
Columbia, OR ; Cowlitz, WA

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP		
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80 1981-84
COLON & RECTUM							
STUDY OBS	8	44	52	51	77	75	113 78
SMR	0.77	0.76	0.77	0.68	0.94	0.81	1.07 0.85
CNTRL OBS	34	168	194	206	207	250	333 254
SMR	0.93	0.84	0.86	0.82	0.76	0.84	0.98 0.84
LIVER (PRIMARY)							
STUDY OBS	3	11	15	14	11	6	8 3
SMR	0.97	0.65	0.83	0.78	0.79	0.67	0.82 0.33
CNTRL OBS	8	59	53	37	34	28	34 28
SMR	0.73	1.00	0.88	0.62	0.74	0.96	1.08 0.93
TRACHEA, BRONCHUS, LUNG							
STUDY OBS	5	30	59	68	91	161	166 194
SMR	0.83	0.87	1.16	0.97	0.96	1.25	0.96 1.13
CNTRL OBS	13	105	168	215	313	425	594 649
SMR	0.62	0.89	1.00	0.94	1.02	1.04	1.06 1.13
BREAST (FEMALE)							
STUDY OBS	0	27	15	30	28	33	43 54
SMR	0.00	1.28	0.60	1.04	0.83	0.81	0.87 1.18
CNTRL OBS	20	82	94	85	81	143	136 155
SMR	1.54	1.13	1.12	0.89	0.72	1.08	0.85 1.01
THYROID							
STUDY OBS	0	1	3	1	3	2	2 2
SMR	0.00	0.70	1.83	0.59	1.79	1.11	1.06 1.32
CNTRL OBS	2	6	9	5	5	6	7 5
SMR	2.23	1.22	1.64	0.90	0.90	1.03	1.16 1.00
BONES & JOINTS							
STUDY OBS	0	3	2	0	1	1	1 0
SMR	0.00	1.18	0.84	0.00	0.46	0.44	0.51 0.00
CNTRL OBS	0	5	1	4	1	8	7 7
SMR	0.00	0.57	0.13	0.56	0.14	1.10	1.12 2.02
BLADDER							
STUDY OBS	1	6	8	16	17	25	29 11
SMR	0.43	0.46	0.53	0.97	0.95	1.26	1.31 0.58
CNTRL OBS	2	47	55	50	76	56	63 60
SMR	0.24	1.04	1.08	0.91	1.28	0.87	0.89 0.97
BRAIN & OTHER C.N.S.							
STUDY OBS	0	2	0	5	9	4	12 13
SMR	0.00	0.71	0.00	1.02	1.37	0.39	0.89 1.03
CNTRL OBS	0	9	14	23	18	31	43 45
SMR	0.00	0.95	1.15	1.47	0.85	0.94	0.98 1.07
BENIGN & UNSPEC NEOPLASMS							
STUDY OBS	0	0	0	0	0	3	3 2
SMR	0.00	0.00	0.00	0.00	0.00	0.46	0.51 0.96
CNTRL OBS	0	0	0	0	1	15	19 4
SMR	0.00	0.00	0.00	0.00	0.25	0.71	1.01 0.58



Age at death: all

Trojan (1975)  
Columbia, OR ; Cowlitz, WA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	6	23	27	35	31	31	52	32
	SMR	1.30	0.93	0.95	1.10	0.90	0.86	1.33	0.94
CNTRL	OBS	18	80	71	90	118	88	124	111
	SMR	1.24	1.04	0.81	0.92	1.12	0.80	1.01	1.00
ALL CANCER, EXCL LEUK									
STUDY	OBS	87	438	510	581	627	749	886	802
	SMR	0.95	0.88	0.92	0.93	0.90	0.95	0.97	0.98
CNTRL	OBS	295	1537	1693	1854	2114	2459	2858	2734
	SMR	0.96	0.94	0.94	0.94	0.95	0.98	0.98	1.01
HODGKIN'S DISEASE									
STUDY	OBS	2	5	7	5	11	8	5	3
	SMR	1.52	0.74	0.98	0.65	1.37	1.10	0.89	0.74
CNTRL	OBS	3	20	22	25	22	24	21	4
	SMR	0.74	0.98	1.03	1.10	0.93	1.11	1.20	0.30
OTHER LYMPHOMA									
STUDY	OBS	2	11	16	18	26	24	30	31
	SMR	0.89	0.90	1.05	0.97	1.17	0.95	1.02	1.10
CNTRL	OBS	9	44	50	62	67	71	86	80
	SMR	1.26	1.14	1.05	1.07	0.97	0.91	0.92	0.86
MULTIPLE MYELOMA									
STUDY	OBS	1	5	5	7	11	13	17	13
	SMR	1.45	1.26	0.87	0.98	1.26	1.16	1.22	1.00
CNTRL	OBS	4	11	21	27	32	39	44	43
	SMR	1.74	0.85	1.14	1.18	1.14	1.10	0.98	1.00
DIGESTIVE ORGANS									
STUDY	OBS	39	162	181	178	183	200	250	187
	SMR	1.09	0.84	0.89	0.83	0.83	0.86	0.98	0.85
CNTRL	OBS	137	617	617	617	645	713	774	713
	SMR	1.13	0.96	0.93	0.89	0.90	0.96	0.95	0.98
STOMACH									
STUDY	OBS	15	56	47	41	32	30	24	14
	SMR	1.52	1.08	0.99	0.96	0.86	0.87	0.72	0.52
CNTRL	OBS	50	182	170	136	134	121	115	88
	SMR	1.47	1.04	1.09	0.98	1.10	1.10	1.08	0.99

Age at death: all

Trojan (1975)  
Columbia, OR ; Cowlitz, WA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM	STUDY	12	56	68	63	91	94	128	90
	OBS	0.82	0.71	0.78	0.66	0.87	0.82	1.01	0.83
	CNTRL	49	214	245	251	258	309	386	308
	SMR	0.99	0.81	0.85	0.81	0.77	0.85	0.95	0.87
LIVER (PRIMARY)	STUDY	3	17	20	20	16	10	9	4
	OBS	0.70	0.74	0.86	0.87	0.88	0.85	0.72	0.35
	CNTRL	16	76	60	44	43	36	39	35
	SMR	1.09	0.99	0.79	0.59	0.74	0.96	0.98	0.93
TRACHEA, BRONCHUS, LUNG	STUDY	7	46	85	102	131	208	235	255
	OBS	0.68	0.80	1.07	0.96	0.92	1.12	1.00	1.14
	CNTRL	19	142	237	312	444	580	819	865
	SMR	0.56	0.76	0.94	0.94	1.00	1.00	1.09	1.16
BREAST (FEMALE)	STUDY	5	54	32	52	52	58	75	77
	OBS	0.64	1.27	0.66	0.95	0.83	0.82	0.94	1.09
	CNTRL	29	143	156	153	147	230	217	220
	SMR	1.13	1.04	1.02	0.89	0.74	1.03	0.85	0.95
THYROID	STUDY	0	1	3	3	4	2	2	2
	OBS	0.00	0.47	1.31	1.31	1.77	0.86	0.84	1.06
	CNTRL	2	8	10	7	6	7	9	7
	SMR	1.51	1.14	1.35	0.95	0.83	0.95	1.19	1.13
BONES & JOINTS	STUDY	0	7	3	0	3	5	2	3
	OBS	0.00	1.44	0.67	0.00	0.70	1.17	0.54	1.36
	CNTRL	2	10	7	8	5	16	14	11
	SMR	0.66	0.65	0.50	0.63	0.38	1.23	1.21	1.53
BLADDER	STUDY	1	7	8	21	20	27	31	13
	OBS	0.34	0.44	0.45	1.11	0.98	1.20	1.27	0.63
	CNTRL	3	53	63	57	85	65	71	64
	SMR	0.30	0.98	1.07	0.91	1.27	0.90	0.91	0.96
BRAIN & OTHER C.N.S.	STUDY	2	15	10	20	29	13	24	19
	OBS	0.82	1.19	0.71	1.26	1.64	0.58	0.96	0.88
	CNTRL	1	43	45	51	50	64	73	76
	SMR	0.14	1.14	1.08	1.10	0.96	0.94	0.93	1.08
BENIGN & UNSPEC NEOPLASMS	STUDY	0	0	0	0	2	5	6	4
	OBS	0.00	0.00	0.00	0.00	0.92	0.45	0.69	1.43
	CNTRL	0	0	0	0	1	23	25	7
	SMR	0.00	0.00	0.00	0.00	0.15	0.67	0.91	0.76



Age at death: under 10

Fort St. Vrain (1976)  
Boulder, CO ; Larimer, CO ; Weld, CO

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
LIVER (PRIMARY)	STUDY OBS	1	1	0	0	0	0	0	1
	SMR	11.20	4.13	0.00	0.00	0.00	0.00	0.00	3.69
	CNTRL OBS	0	1	1	3	1	2	0	0
TRACHEA, BRONCHUS, LUNG	STUDY OBS	0.00	3.36	2.56	7.31	2.71	4.80	0.00	0.00
	SMR								
	CNTRL OBS								
BREAST (FEMALE)	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
THYROID	STUDY OBS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SMR								
	CNTRL OBS								
BONES & JOINTS	STUDY OBS	0	0	0	0	1	0	0	1
	SMR	0.00	0.00	0.00	0.00	2.66	0.00	0.00	6.22
	CNTRL OBS	0	0	1	0	0	0	0	0
BLADDER	STUDY OBS	0.00	0.00	2.17	0.00	0.00	0.00	0.00	0.00
	SMR								
	CNTRL OBS								
BRAIN & OTHER C.N.S.	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	2	5	4	3	1	3	5	3
	SMR	1.69	1.48	1.01	0.72	0.27	0.88	1.61	1.51
	CNTRL OBS	3	4	5	2	3	4	2	4
	STUDY OBS	2.30	0.95	0.91	0.37	0.65	0.97	0.54	1.71
	SMR								
	CNTRL OBS								
	STUDY OBS	0	0	0	0	0	1	2	1
	SMR	0.00	0.00	0.00	0.00	0.00	0.70	2.37	4.02
	CNTRL OBS	0	0	0	0	1	2	0	0
	STUDY OBS	0.00	0.00	0.00	0.00	1.37	1.13	0.00	0.00
	SMR								
	CNTRL OBS								



		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM	STUDY OBS	1	0	0	0	0	1	0	0
	SMR	11.44	0.00	0.00	0.00	0.00	4.77	0.00	0.00
	CNTRL OBS	0	0	2	0	0	0	0	0
LIVER (PRIMARY)	SMR	0.00	0.00	11.92	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	1	2
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	3.65	13.17
TRACHEA, BRONCHUS, LUNG	CNTRL OBS	0	0	1	0	0	0	0	1
	SMR	0.00	0.00	6.53	0.00	0.00	0.00	0.00	5.58
	STUDY OBS	0	0	0	0	0	0	0	0
BREAST (FEMALE)	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
BONES & JOINTS	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	2	2	1	1	1	2	0
	SMR	0.00	1.46	1.28	0.50	0.40	0.37	0.88	0.00
BLADDER	CNTRL OBS	2	3	2	5	1	2	1	1
	SMR	3.99	1.98	1.08	2.16	0.36	0.68	0.40	0.72
	STUDY OBS	0	0	0	0	0	0	0	0
BRAIN & OTHER C.N.S.	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	1	5	1	1	3	2
	SMR	0.00	0.00	0.48	1.90	0.32	0.28	0.94	1.19
	CNTRL OBS	0	1	4	3	2	4	1	0
	SMR	0.00	0.51	1.56	0.96	0.56	0.99	0.29	0.00
	STUDY OBS	0	0	0	0	1	0	0	0
	SMR	0.00	0.00	0.00	0.00	1.91	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	2	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	1.39	0.00	0.00



Age at death: 20 to 39

Fort St. Vrain (1976)  
Boulder, CO ; Larimer, CO ; Weld, CO

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	3	5	7	6	7	15	9	5
	SMR	1.38	0.88	1.16	0.80	0.74	1.14	0.56	0.46
CNTRL	OBS	2	7	6	13	11	11	17	9
	SMR	0.87	1.05	0.76	1.38	1.00	0.80	1.09	0.82
ALL CANCER, EXCL LEUK									
STUDY	OBS	13	36	46	43	54	70	84	73
	SMR	0.72	0.77	0.93	0.72	0.74	0.75	0.75	0.94
CNTRL	OBS	9	71	55	48	51	86	93	53
	SMR	0.44	1.21	0.80	0.61	0.58	0.84	0.82	0.64
HODGKIN'S DISEASE									
STUDY	OBS	1	4	7	8	9	3	6	4
	SMR	0.58	0.88	1.38	1.19	1.11	0.34	0.74	0.81
CNTRL	OBS	1	11	4	11	5	4	5	5
	SMR	0.56	2.09	0.61	1.35	0.55	0.44	0.65	1.04
OTHER LYMPHOMA									
STUDY	OBS	2	1	3	2	9	2	9	8
	SMR	1.98	0.38	1.03	0.52	1.89	0.31	1.12	1.38
CNTRL	OBS	0	3	1	1	8	6	6	4
	SMR	0.00	0.96	0.26	0.21	1.42	0.88	0.76	0.68
MULTIPLE MYELOMA									
STUDY	OBS	0	0	0	0	0	0	1	3
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	2.25	9.44
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS									
STUDY	OBS	0	9	5	9	2	13	11	8
	SMR	0.00	1.07	0.61	1.00	0.19	1.00	0.71	0.75
CNTRL	OBS	2	7	14	11	5	16	10	6
	SMR	0.51	0.64	1.19	0.90	0.39	1.09	0.62	0.51
STOMACH									
STUDY	OBS	0	3	1	0	0	1	2	0
	SMR	0.00	1.63	0.60	0.00	0.00	0.48	0.82	0.00
CNTRL	OBS	1	2	4	2	0	4	3	2
	SMR	1.13	0.83	1.62	0.85	0.00	1.66	1.16	1.04

Age at death: 20 to 39

Fort St. Vrain (1976)  
Boulder, CO ; Larimer, CO ; Weld, CO

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM	STUDY OBS	0	5	2	8	2	9	5	4
	SMR	0.00	1.17	0.49	1.78	0.39	1.39	0.65	0.78
	CNTRL OBS	1	2	4	6	2	7	3	2
	SMR	0.51	0.37	0.69	1.00	0.32	0.97	0.38	0.36
LIVER (PRIMARY)	STUDY OBS	0	0	0	0	0	0	0	1
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83
	CNTRL OBS	0	2	2	1	2	2	3	1
	SMR	0.00	1.83	1.73	0.81	1.54	1.37	1.72	0.75
TRACHEA, BRONCHUS, LUNG	STUDY OBS	0	2	4	3	2	2	6	4
	SMR	0.00	0.74	1.16	0.64	0.32	0.24	0.61	0.60
	CNTRL OBS	0	3	5	2	4	7	6	1
	SMR	0.00	0.85	1.00	0.31	0.50	0.74	0.58	0.14
BREAST (FEMALE)	STUDY OBS	1	2	6	2	4	6	9	10
	SMR	0.45	0.34	0.95	0.27	0.44	0.50	0.58	0.86
	CNTRL OBS	0	11	6	4	4	12	16	10
	SMR	0.00	1.40	0.64	0.38	0.36	0.88	0.97	0.75
THYROID	STUDY OBS	1	0	0	0	0	0	0	0
	SMR	16.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	1	1	0	1	0	0
	SMR	0.00	0.00	4.23	3.82	0.00	3.62	0.00	0.00
BONES & JOINTS	STUDY OBS	0	0	4	0	0	1	4	3
	SMR	0.00	0.00	3.70	0.00	0.00	0.43	1.46	1.67
	CNTRL OBS	0	2	1	3	3	2	3	2
	SMR	0.00	1.65	0.75	1.90	1.54	0.82	1.16	1.18
BLADDER	STUDY OBS	0	0	0	0	1	1	0	0
	SMR	0.00	0.00	0.00	0.00	4.34	3.61	0.00	0.00
	CNTRL OBS	0	0	0	2	0	0	0	0
	SMR	0.00	0.00	0.00	6.94	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.	STUDY OBS	3	6	5	5	9	8	8	7
	SMR	1.82	1.38	1.06	0.89	1.29	0.81	0.69	0.87
	CNTRL OBS	1	6	4	2	3	9	7	4
	SMR	0.55	1.14	0.63	0.28	0.37	0.87	0.63	0.50
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	2	2	2	0
	SMR	0.00	0.00	0.00	0.00	1.57	0.57	0.84	0.00
	CNTRL OBS	0	0	0	0	2	6	0	1
	SMR	0.00	0.00	0.00	0.00	1.35	1.57	0.00	1.46

Age at death: 40 to 59

Fort St. Vrain (1976)  
Boulder, CO ; Larimer, CO ; Weld, CO

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	3	7	12	12	16	14	23	12
	SMR	0.71	0.62	0.99	0.87	1.03	0.78	1.14	0.92
CNTRL	OBS	7	12	15	17	22	24	31	13
	SMR	1.39	0.85	0.93	0.94	1.12	1.08	1.24	0.77
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	83	222	245	305	303	371	466	308
	SMR	0.75	0.75	0.76	0.79	0.65	0.66	0.74	0.76
CNTRL	OBS	123	313	341	361	492	514	669	426
	SMR	0.94	0.85	0.80	0.72	0.84	0.73	0.84	0.79
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	0	1	4	6	5	6	1	1
	SMR	0.00	0.23	0.81	1.06	0.81	1.08	0.23	0.42
CNTRL	OBS	4	6	7	8	7	5	7	5
	SMR	2.06	1.07	1.06	1.08	0.90	0.73	1.34	1.65
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	4	10	11	16	13	12	24	13
	SMR	1.36	1.21	1.10	1.25	0.83	0.67	1.19	0.96
CNTRL	OBS	3	9	9	24	16	10	18	11
	SMR	0.86	0.87	0.68	1.45	0.82	0.45	0.72	0.63
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	2	3	0	6	2	9	5	8
	SMR	1.99	1.03	0.00	1.42	0.41	1.40	0.66	1.64
CNTRL	OBS	1	3	7	3	7	9	8	7
	SMR	0.84	0.82	1.46	0.54	1.12	1.09	0.82	1.05
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	24	53	62	80	82	89	111	66
	SMR	0.69	0.59	0.69	0.81	0.75	0.72	0.84	0.79
CNTRL	OBS	40	92	90	79	118	117	157	86
	SMR	0.97	0.82	0.76	0.61	0.85	0.75	0.93	0.77
<b>STOMACH</b>									
STUDY	OBS	4	16	12	14	16	15	14	8
	SMR	0.48	0.79	0.69	0.84	0.97	0.88	0.82	0.75
CNTRL	OBS	13	26	19	15	18	16	30	17
	SMR	1.30	1.02	0.82	0.68	0.85	0.73	1.36	1.19

		Fort St. Vrain (1976) Boulder, CO ; Larimer, CO ; Weld, CO							
		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM	STUDY OBS	11	19	26	42	39	38	54	33
	SMR	0.75	0.50	0.66	0.95	0.78	0.67	0.89	0.88
	CNTRL OBS	11	35	40	32	48	42	71	34
	SMR	0.63	0.73	0.77	0.56	0.77	0.59	0.93	0.69
LIVER (PRIMARY)	STUDY OBS	7	4	4	6	1	3	4	0
	SMR	1.62	0.37	0.40	0.61	0.12	0.46	0.56	0.00
	CNTRL OBS	7	7	4	11	10	9	6	7
	SMR	1.36	0.52	0.30	0.86	0.97	1.06	0.65	1.08
TRACHEA, BRONCHUS, LUNG	STUDY OBS	9	25	32	54	55	71	105	76
	SMR	0.60	0.57	0.56	0.68	0.49	0.46	0.55	0.60
	CNTRL OBS	15	51	56	71	94	137	176	121
	SMR	0.84	0.93	0.74	0.68	0.66	0.70	0.73	0.72
BREAST (FEMALE)	STUDY OBS	14	37	45	47	47	57	67	51
	SMR	0.94	0.91	0.97	0.83	0.69	0.71	0.76	0.91
	CNTRL OBS	20	39	49	52	90	82	102	70
	SMR	1.13	0.77	0.81	0.72	1.05	0.81	0.92	0.95
THYROID	STUDY OBS	2	2	0	1	0	1	0	0
	SMR	4.14	1.62	0.00	0.85	0.00	0.76	0.00	0.00
	CNTRL OBS	0	2	1	2	2	1	1	1
	SMR	0.00	1.30	0.64	1.31	1.32	0.61	0.59	0.97
BONES & JOINTS	STUDY OBS	0	2	2	0	2	0	2	1
	SMR	0.00	0.88	0.98	0.00	0.98	0.00	1.10	1.14
	CNTRL OBS	1	0	3	1	2	1	3	0
	SMR	0.92	0.00	1.11	0.39	0.78	0.37	1.31	0.00
BLADDER	STUDY OBS	2	1	4	6	4	7	3	6
	SMR	0.93	0.18	0.78	1.12	0.68	1.06	0.44	1.51
	CNTRL OBS	3	10	6	3	8	6	5	4
	SMR	1.17	1.48	0.89	0.43	1.07	0.72	0.59	0.76
BRAIN & OTHER C.N.S.	STUDY OBS	0	5	16	10	17	21	25	13
	SMR	0.00	0.45	1.25	0.67	0.95	0.93	1.05	0.87
	CNTRL OBS	4	15	15	16	22	26	23	14
	SMR	0.84	1.08	0.89	0.83	0.98	0.93	0.79	0.73
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	3	7	3	2
	SMR	0.00	0.00	0.00	0.00	0.96	0.90	0.63	1.68
	CNTRL OBS	0	0	0	0	6	9	6	0
	SMR	0.00	0.00	0.00	0.00	1.52	0.92	1.00	0.00

Age at death: 60 plus

Fort St. Vrain (1976)  
Boulder, CO ; Larimer, CO ; Weld, CO

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	13	30	43	53	55	54	55	53
	SMR	1.25	0.97	1.07	1.07	0.96	0.83	0.70	0.97
CNTRL	OBS	11	40	49	54	78	81	82	57
	SMR	0.88	1.09	1.04	0.95	1.19	1.09	0.91	0.90
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	256	729	852	938	1079	1162	1688	1152
	SMR	0.80	0.81	0.82	0.79	0.78	0.71	0.83	0.80
CNTRL	OBS	331	949	958	1070	1256	1554	2084	1496
	SMR	0.86	0.89	0.79	0.77	0.79	0.82	0.88	0.89
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	1	5	9	12	5	5	10	7
	SMR	0.49	0.88	1.37	1.62	0.62	0.65	1.48	1.72
CNTRL	OBS	3	4	4	7	5	8	9	1
	SMR	1.24	0.59	0.52	0.81	0.54	0.90	1.15	0.21
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	6	26	25	27	35	53	67	54
	SMR	1.10	1.56	1.08	0.89	0.90	1.09	1.04	1.13
CNTRL	OBS	6	28	25	39	39	59	61	57
	SMR	0.92	1.41	0.92	1.10	0.87	1.07	0.83	1.02
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	1	7	14	22	17	24	39	25
	SMR	0.47	1.00	1.31	1.52	0.87	0.92	1.13	1.01
CNTRL	OBS	3	12	11	18	18	37	49	29
	SMR	1.19	1.44	0.87	1.06	0.80	1.23	1.22	0.99
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	104	310	333	347	344	391	524	342
	SMR	0.72	0.79	0.78	0.75	0.70	0.72	0.84	0.82
CNTRL	OBS	166	416	396	362	412	518	630	423
	SMR	0.96	0.89	0.79	0.67	0.73	0.84	0.88	0.87
<b>STOMACH</b>									
STUDY	OBS	41	97	75	65	56	67	69	37
	SMR	0.99	0.90	0.75	0.71	0.68	0.86	0.87	0.74
CNTRL	OBS	54	138	90	57	57	58	72	48
	SMR	1.09	1.08	0.77	0.54	0.60	0.65	0.78	0.82

Age at death: 60 plus

Fort St. Vrain (1976)  
Boulder, CO ; Larimer, CO ; Weld, CO

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM	STUDY OBS	22	116	147	159	171	198	270	160
	SMR	0.38	0.71	0.78	0.75	0.72	0.73	0.85	0.76
	CNTRL OBS	55	142	148	169	214	262	328	209
	SMR	0.78	0.73	0.67	0.68	0.78	0.85	0.90	0.85
LIVER (PRIMARY)	STUDY OBS	15	47	47	46	8	13	24	8
	SMR	0.86	1.00	0.95	0.96	0.22	0.51	0.83	0.40
	CNTRL OBS	24	55	57	47	35	26	22	14
	SMR	1.14	0.98	0.98	0.84	0.85	0.89	0.66	0.59
TRACHEA, BRONCHUS, LUNG	STUDY OBS	25	63	90	116	168	202	383	239
	SMR	0.86	0.70	0.69	0.63	0.65	0.56	0.76	0.64
	CNTRL OBS	10	74	95	152	212	287	442	391
	SMR	0.29	0.70	0.62	0.70	0.71	0.69	0.75	0.88
BREAST (FEMALE)	STUDY OBS	17	52	71	88	83	97	127	110
	SMR	0.75	0.80	0.94	0.99	0.79	0.76	0.80	0.99
	CNTRL OBS	16	74	68	81	98	113	179	112
	SMR	0.58	0.94	0.76	0.79	0.82	0.78	0.99	0.86
THYROID	STUDY OBS	2	3	5	1	2	0	4	2
	SMR	1.37	0.73	1.09	0.21	0.40	0.00	0.71	0.56
	CNTRL OBS	2	6	7	4	7	8	7	5
	SMR	1.14	1.22	1.29	0.72	1.24	1.32	1.08	1.21
BONES & JOINTS	STUDY OBS	1	5	2	3	4	2	2	1
	SMR	0.38	0.75	0.32	0.51	0.65	0.32	0.39	0.42
	CNTRL OBS	5	4	8	6	3	3	3	3
	SMR	1.61	0.50	1.10	0.88	0.42	0.42	0.50	1.08
BLADDER	STUDY OBS	15	27	30	29	46	38	54	21
	SMR	1.16	0.75	0.73	0.64	0.91	0.66	0.83	0.50
	CNTRL OBS	9	42	32	47	44	50	67	30
	SMR	0.58	0.98	0.67	0.89	0.76	0.77	0.90	0.62
BRAIN & OTHER C.N.S.	STUDY OBS	4	11	14	7	17	27	21	38
	SMR	1.68	1.57	1.48	0.55	0.89	0.91	0.53	1.36
	CNTRL OBS	7	10	7	14	15	37	40	30
	SMR	2.48	1.20	0.62	0.94	0.68	1.09	0.87	0.90
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	6	17	6	5
	SMR	0.00	0.00	0.00	0.00	0.86	0.91	0.40	1.04
	CNTRL OBS	0	0	0	0	7	24	14	5
	SMR	0.00	0.00	0.00	0.00	0.87	1.13	0.82	0.89



Age at death: all

Fort St. Vrain (1976)  
Boulder, CO ; Larimer, CO ; Weld, CO

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY OBS	23	54	86	88	90	96	102	75	
SMR	1.09	0.90	1.19	1.02	0.91	0.85	0.79	0.87	
CNTRL OBS	24	76	92	105	136	126	138	83	
SMR	0.99	1.06	1.03	1.01	1.18	0.98	0.95	0.83	
<b>ALL CANCER, EXCL LEUK</b>									
STUDY OBS	359	1004	1156	1305	1455	1618	2252	1547	
SMR	0.79	0.80	0.81	0.79	0.75	0.70	0.80	0.80	
CNTRL OBS	470	1354	1381	1508	1819	2177	2863	1989	
SMR	0.87	0.90	0.80	0.76	0.79	0.80	0.87	0.86	
<b>HODGKIN'S DISEASE</b>									
STUDY OBS	2	10	20	29	20	16	17	12	
SMR	0.35	0.64	1.13	1.37	0.84	0.68	0.85	1.01	
CNTRL OBS	8	22	16	28	19	17	21	11	
SMR	1.23	1.18	0.72	1.08	0.68	0.65	0.97	0.84	
<b>OTHER LYMPHOMA</b>									
STUDY OBS	13	40	39	47	64	69	101	76	
SMR	1.28	1.34	1.01	0.94	1.02	0.91	1.06	1.11	
CNTRL OBS	9	45	40	72	68	79	89	73	
SMR	0.76	1.25	0.84	1.19	0.92	0.90	0.81	0.90	
<b>MULTIPLE MYELOMA</b>									
STUDY OBS	3	10	14	28	19	33	45	36	
SMR	0.94	0.99	0.96	1.48	0.77	1.00	1.05	1.20	
CNTRL OBS	4	15	18	21	25	46	57	36	
SMR	1.05	1.23	1.01	0.92	0.86	1.19	1.13	0.99	
<b>DIGESTIVE ORGANS</b>									
STUDY OBS	130	373	401	436	428	494	648	419	
SMR	0.71	0.76	0.76	0.76	0.70	0.73	0.84	0.82	
CNTRL OBS	208	516	504	455	536	653	797	516	
SMR	0.95	0.87	0.79	0.67	0.75	0.83	0.88	0.84	
<b>STOMACH</b>									
STUDY OBS	45	116	88	79	72	83	86	45	
SMR	0.89	0.90	0.74	0.72	0.72	0.85	0.87	0.72	
CNTRL OBS	68	166	113	74	75	78	105	67	
SMR	1.12	1.07	0.79	0.57	0.63	0.69	0.90	0.90	

Age at death: all

Fort St. Vrain (1976)  
Boulder, CO ; Larimer, CO ; Weld, CO

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM	STUDY OBS	34	140	175	209	212	246	329	197
	SMR	0.45	0.68	0.75	0.80	0.72	0.73	0.85	0.78
	CNTRL OBS	67	179	194	207	264	311	402	245
	SMR	0.75	0.72	0.70	0.67	0.77	0.80	0.90	0.82
LIVER (PRIMARY)	STUDY OBS	23	52	51	52	9	16	29	12
	SMR	1.03	0.88	0.84	0.88	0.20	0.47	0.76	0.45
	CNTRL OBS	31	65	65	62	48	39	31	23
	SMR	1.16	0.91	0.89	0.88	0.90	0.98	0.68	0.72
TRACHEA, BRONCHUS, LUNG	STUDY OBS	34	90	126	173	225	275	494	319
	SMR	0.75	0.66	0.66	0.64	0.60	0.53	0.70	0.63
	CNTRL OBS	25	128	156	225	310	432	624	513
	SMR	0.47	0.78	0.66	0.69	0.69	0.69	0.74	0.83
BREAST (FEMALE)	STUDY OBS	32	91	122	137	134	160	203	171
	SMR	0.80	0.81	0.95	0.90	0.74	0.73	0.78	0.96
	CNTRL OBS	36	124	123	137	192	207	297	192
	SMR	0.75	0.90	0.77	0.74	0.89	0.80	0.96	0.89
THYROID	STUDY OBS	5	5	5	2	2	1	4	2
	SMR	2.49	0.90	0.84	0.32	0.31	0.14	0.55	0.44
	CNTRL OBS	2	8	9	7	9	10	8	6
	SMR	0.83	1.19	1.24	0.95	1.20	1.25	0.95	1.12
BONES & JOINTS	STUDY OBS	1	9	10	4	8	4	10	6
	SMR	0.22	0.76	0.89	0.35	0.63	0.29	0.81	0.93
	CNTRL OBS	8	9	15	15	9	8	10	6
	SMR	1.52	0.65	1.10	1.09	0.61	0.51	0.73	0.83
BLADDER	STUDY OBS	17	28	34	35	51	46	57	27
	SMR	1.12	0.67	0.73	0.68	0.90	0.72	0.79	0.58
	CNTRL OBS	12	52	38	52	52	56	72	34
	SMR	0.66	1.04	0.69	0.87	0.79	0.76	0.87	0.63
BRAIN & OTHER C.N.S.	STUDY OBS	9	27	40	30	45	60	62	63
	SMR	0.92	0.98	1.21	0.75	0.89	0.87	0.77	1.15
	CNTRL OBS	15	36	35	37	45	80	73	52
	SMR	1.32	1.07	0.82	0.74	0.74	1.00	0.78	0.80
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	12	27	13	8
	SMR	0.00	0.00	0.00	0.00	0.96	0.83	0.55	1.15
	CNTRL OBS	0	0	0	0	16	43	20	6
	SMR	0.00	0.00	0.00	0.00	1.08	1.13	0.74	0.73

Age at death: under 10

Salem 1,2 (1976)  
New Castle, DE ; Salem, NJ

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	7	15	10	17	14	10	3	2
SHR	1.50	1.07	0.59	1.02	0.98	1.01	0.48	0.67
CNTRL OBS	17	40	43	39	54	27	23	4
SHR	1.37	1.02	0.86	0.78	1.24	0.87	1.12	0.39
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	4	7	20	23	10	14	9	5
SHR	0.79	0.46	1.10	1.32	0.66	1.20	1.01	0.99
CNTRL OBS	19	43	48	49	51	41	31	14
SHR	1.42	1.02	0.92	0.96	1.12	1.15	1.07	0.82
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	0	0	0	0	1	0	0
SHR	0.00	0.00	0.00	0.00	0.00	7.29	0.00	0.00
CNTRL OBS	0	2	0	1	1	0	0	0
SHR	0.00	2.43	0.00	1.42	1.59	0.00	0.00	0.00
<b>OTHER LYMPHOMA</b>								
STUDY OBS	0	1	4	3	1	2	0	0
SHR	0.00	0.48	1.56	1.28	0.53	1.50	0.00	0.00
CNTRL OBS	2	3	6	5	7	3	4	1
SHR	1.11	0.51	0.81	0.72	1.23	0.73	1.36	0.66
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SHR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SHR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	0	0	0	0	1	1	0	1
SHR	0.00	0.00	0.00	0.00	1.46	1.79	0.00	3.22
CNTRL OBS	0	2	2	1	4	3	3	1
SHR	0.00	0.83	0.74	0.40	1.95	1.77	1.98	0.97
<b>STOMACH</b>								
STUDY OBS	0	0	0	0	0	0	0	0
SHR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	1	0	0	0
SHR	0.00	0.00	0.00	0.00	23.89	0.00	0.00	0.00

Age at death: under 10

Salem 1,2 (1976)  
New Castle, DE ; Salem, NJ

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM								
STUDY OBS	0	0	0	0	0	0	0	1
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.73
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)								
STUDY OBS	0	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	0.00	2.42	0.00	0.00
CNTRL OBS	0	2	2	1	1	1	3	1
SMR	0.00	1.68	1.28	0.63	0.73	0.79	2.61	1.29
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	1	1	0	0	0	0
SMR	0.00	0.00	2.41	2.94	0.00	0.00	0.00	0.00
BREAST (FEMALE)								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	1	0	0	0	0
SMR	0.00	0.00	0.00	26.85	0.00	0.00	0.00	0.00
BONES & JOINTS								
STUDY OBS	0	0	1	1	1	1	0	0
SMR	0.00	0.00	1.61	1.67	1.79	2.49	0.00	0.00
CNTRL OBS	1	1	0	3	4	1	2	1
SMR	1.96	0.64	0.00	1.68	2.34	0.80	2.09	2.09
BLADDER								
STUDY OBS	0	0	0	1	0	0	0	0
SMR	0.00	0.00	0.00	11.18	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	4	5	9	9	1	4	4	3
SMR	2.07	0.84	1.19	1.24	0.17	0.94	1.28	1.71
CNTRL OBS	10	22	21	17	13	12	6	4
SMR	1.95	1.33	0.96	0.80	0.75	0.92	0.59	0.67
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	1	4	1	0
SMR	0.00	0.00	0.00	0.00	1.09	2.20	1.10	0.00
CNTRL OBS	0	0	0	0	4	5	1	0
SMR	0.00	0.00	0.00	0.00	1.48	0.91	0.35	0.00



Age at death: 10 to 19

Salem 1,2 (1976)  
New Castle, DE ; Salem, NJ

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM									
STUDY	OBS	0	0	0	1	0	0	0	0
	SMR	0.00	0.00	0.00	3.83	0.00	0.00	0.00	0.00
CNTRL	OBS	1	2	1	0	2	1	1	1
	SMR	3.41	2.62	1.46	0.00	2.72	1.14	1.28	3.07
LIVER (PRIMARY)									
STUDY	OBS	0	1	0	0	1	1	0	0
	SMR	0.00	6.36	0.00	0.00	3.21	3.24	0.00	0.00
CNTRL	OBS	0	0	0	1	3	0	2	0
	SMR	0.00	0.00	0.00	1.28	3.30	0.00	2.01	0.00
TRACHEA, BRONCHUS, LUNG									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	1	0	0	1	1	0	0
	SMR	0.00	2.30	0.00	0.00	1.85	1.83	0.00	0.00
BREAST (FEMALE)									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS									
STUDY	OBS	0	1	5	4	1	4	2	0
	SMR	0.00	0.53	2.19	1.44	0.30	1.28	0.84	0.00
CNTRL	OBS	1	8	8	6	5	5	10	6
	SMR	0.62	1.51	1.16	0.71	0.50	0.51	1.28	1.52
BLADDER									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.									
STUDY	OBS	1	1	2	2	4	1	3	1
	SMR	1.26	0.41	0.63	0.53	0.95	0.23	0.88	0.62
CNTRL	OBS	2	4	7	13	14	12	9	4
	SMR	0.98	0.58	0.73	1.12	1.09	0.88	0.80	0.71
BENIGN & UNSPEC NEOPLASMS									
STUDY	OBS	0	0	0	0	1	1	0	0
	SMR	0.00	0.00	0.00	0.00	1.36	0.62	0.00	0.00
CNTRL	OBS	0	0	0	0	4	2	1	0
	SMR	0.00	0.00	0.00	0.00	1.84	0.41	0.44	0.00



Table 2-D.5

Age at death: 20 to 39

Salem 1,2 (1976)  
New Castle, DE ; Salem, NJ

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	3	10	17	11	11	14	13	11
SMR	0.76	0.95	1.51	0.96	0.93	1.10	0.98	1.31
CNTRL OBS	5	18	27	17	43	38	53	44
SMR	0.50	0.62	0.80	0.48	1.17	0.91	1.12	1.42
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	43	106	97	120	87	97	100	67
SMR	1.14	1.06	0.91	1.12	0.84	0.96	0.99	1.05
CNTRL OBS	89	270	315	317	293	312	366	235
SMR	0.95	1.00	1.00	0.98	0.92	0.93	1.01	0.97
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	2	7	6	12	8	4	6	6
SMR	0.66	0.87	0.67	1.24	0.84	0.48	0.94	1.68
CNTRL OBS	13	23	31	33	28	29	29	18
SMR	1.67	1.02	1.14	1.09	0.93	1.05	1.26	1.34
<b>OTHER LYMPHOMA</b>								
STUDY OBS	4	8	8	2	2	3	11	4
SMR	2.14	1.61	1.44	0.33	0.33	0.48	1.65	0.90
CNTRL OBS	1	4	15	22	19	14	16	15
SMR	0.21	0.29	0.90	1.18	1.00	0.67	0.67	0.90
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	0	0	0	0	0	0	1	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	2.11	0.00
CNTRL OBS	0	1	2	5	1	2	4	1
SMR	0.00	0.82	1.35	3.47	0.74	1.42	2.36	0.87
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	12	21	15	18	11	17	14	12
SMR	1.63	1.10	0.79	1.02	0.68	1.10	0.92	1.25
CNTRL OBS	19	57	45	61	50	36	60	30
SMR	1.04	1.12	0.82	1.16	1.02	0.71	1.10	0.84
<b>STOMACH</b>								
STUDY OBS	3	1	4	4	1	3	2	5
SMR	1.71	0.23	0.96	1.12	0.34	1.10	0.77	3.02
CNTRL OBS	4	14	11	12	16	6	5	6
SMR	0.93	1.19	0.92	1.14	1.82	0.69	0.55	0.98

Age at death: 20 to 39

Salem 1,2 (1976)  
New Castle, DE ; Salem, NJ

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM								
STUDY OBS	4	12	5	8	6	10	8	4
SMR	1.12	1.31	0.55	0.96	0.78	1.35	1.11	0.91
CNTRL OBS	11	23	18	24	21	16	35	14
SMR	1.24	0.92	0.67	0.95	0.89	0.65	1.34	0.84
LIVER (PRIMARY)								
STUDY OBS	2	0	3	2	0	2	1	0
SMR	2.45	0.00	1.53	1.10	0.00	1.28	0.58	0.00
CNTRL OBS	1	8	6	7	2	2	4	4
SMR	0.50	1.47	1.07	1.32	0.42	0.41	0.67	0.92
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	3	7	4	13	11	11	13	7
SMR	1.46	1.16	0.50	1.39	1.10	1.11	1.37	1.22
CNTRL OBS	3	21	18	24	35	43	39	20
SMR	0.58	1.28	0.77	0.85	1.14	1.30	1.12	0.89
BREAST (FEMALE)								
STUDY OBS	5	14	12	16	11	12	14	14
SMR	0.99	1.02	0.79	1.06	0.76	0.83	0.90	1.33
CNTRL OBS	11	34	45	35	45	47	78	38
SMR	0.90	0.94	1.02	0.77	1.01	0.97	1.37	0.94
THYROID								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	1	0	0	0	0	0
SMR	0.00	0.00	0.93	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS								
STUDY OBS	0	2	0	2	1	3	0	3
SMR	0.00	1.08	0.00	1.17	0.56	1.46	0.00	2.32
CNTRL OBS	4	5	4	4	3	7	5	6
SMR	2.10	0.97	0.75	0.75	0.53	1.05	0.68	1.30
BLADDER								
STUDY OBS	1	0	0	1	0	0	1	0
SMR	4.17	0.00	0.00	2.33	0.00	0.00	3.38	0.00
CNTRL OBS	2	3	3	1	0	0	1	0
SMR	3.46	2.03	2.17	0.79	0.00	0.00	0.92	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	2	6	9	10	9	5	4	5
SMR	0.66	0.74	1.01	1.13	1.02	0.52	0.43	0.86
CNTRL OBS	3	23	31	19	16	26	24	20
SMR	0.39	1.02	1.14	0.69	0.57	0.81	0.71	0.90
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	3	6	1	1
SMR	0.00	0.00	0.00	0.00	1.79	1.55	0.45	1.75
CNTRL OBS	0	0	0	0	6	14	6	3
SMR	0.00	0.00	0.00	0.00	1.18	1.13	0.78	1.44

Age at death: 40 to 59

Salem 1,2 (1976)  
New Castle, DE ; Salem, NJ

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	11	22	17	33	41	30	35	28
	SMR	1.33	0.98	0.68	1.22	1.41	1.02	1.21	1.68
CNTRL	OBS	23	57	67	74	65	82	94	59
	SMR	1.16	0.97	0.96	0.90	0.70	0.84	0.93	0.98
ALL CANCER, EXCL LEUK									
STUDY	OBS	253	683	772	911	1029	1061	1097	627
	SMR	1.12	1.11	1.12	1.15	1.13	1.08	1.13	1.12
CNTRL	OBS	581	1615	2021	2475	2930	3498	3583	2073
	SMR	1.07	1.02	1.06	1.06	1.03	1.09	1.07	1.05
HODGKIN'S DISEASE									
STUDY	OBS	1	17	12	4	11	7	4	4
	SMR	0.31	1.92	1.19	0.36	0.98	0.79	0.69	1.41
CNTRL	OBS	8	24	21	37	33	29	20	12
	SMR	1.04	1.04	0.73	1.10	0.91	0.98	0.98	1.16
OTHER LYMPHOMA									
STUDY	OBS	10	28	22	20	29	27	29	19
	SMR	1.77	1.73	1.10	0.82	1.02	0.92	1.02	1.12
CNTRL	OBS	13	43	57	75	78	101	101	55
	SMR	0.95	1.02	1.00	1.00	0.85	1.03	1.00	0.89
MULTIPLE MYELOMA									
STUDY	OBS	2	9	9	4	13	12	15	10
	SMR	0.95	1.42	1.09	0.43	1.24	0.98	1.17	1.34
CNTRL	OBS	4	15	25	33	23	30	40	19
	SMR	0.79	0.92	1.11	1.22	0.73	0.77	0.93	0.74
DIGESTIVE ORGANS									
STUDY	OBS	89	220	206	265	268	235	249	158
	SMR	1.22	1.15	1.05	1.27	1.21	1.05	1.16	1.31
CNTRL	OBS	195	497	584	642	658	811	774	450
	SMR	1.12	1.02	1.08	1.05	0.97	1.12	1.07	1.07
STOMACH									
STUDY	OBS	27	57	26	40	44	35	24	24
	SMR	1.43	1.22	0.63	1.06	1.24	1.08	0.84	1.54
CNTRL	OBS	48	103	109	92	97	104	92	51
	SMR	1.07	0.87	0.98	0.85	0.91	1.01	0.96	0.94

Age at death: 40 to 59

Salem 1,2 (1976)  
New Castle, DE ; Salem, NJ

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM								
STUDY OBS	43	92	97	109	119	109	105	74
SMR	1.49	1.21	1.21	1.26	1.26	1.12	1.14	1.45
CNTRL OBS	83	206	267	299	320	388	359	211
SMR	1.20	1.04	1.19	1.15	1.08	1.21	1.12	1.16
LIVER (PRIMARY)								
STUDY OBS	10	23	22	31	14	8	19	4
SMR	1.10	0.99	0.99	1.45	0.81	0.62	1.54	0.54
CNTRL OBS	28	63	63	70	42	40	46	22
SMR	1.28	1.07	1.04	1.13	0.81	0.99	1.12	0.86
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	31	93	129	207	244	320	334	189
SMR	1.03	1.05	1.08	1.28	1.11	1.17	1.13	1.07
CNTRL OBS	85	248	359	503	748	945	1104	671
SMR	1.18	1.08	1.07	1.04	1.09	1.06	1.08	1.07
BREAST (FEMALE)								
STUDY OBS	20	88	118	124	136	137	147	77
SMR	0.69	1.09	1.26	1.13	1.07	1.02	1.13	1.03
CNTRL OBS	64	212	249	324	429	486	483	263
SMR	0.92	1.01	0.95	0.98	1.06	1.09	1.07	1.00
THYROID								
STUDY OBS	0	2	4	3	2	2	3	1
SMR	0.00	0.80	1.63	1.24	0.85	0.90	1.49	0.96
CNTRL OBS	3	1	7	7	10	9	3	4
SMR	1.29	0.15	1.02	0.98	1.36	1.22	0.43	1.08
BONES & JOINTS								
STUDY OBS	1	8	6	3	2	7	5	1
SMR	0.53	1.67	1.37	0.75	0.50	1.86	1.79	0.87
CNTRL OBS	3	9	10	19	22	10	8	6
SMR	0.66	0.73	0.82	1.60	1.77	0.82	0.84	1.47
BLADDER								
STUDY OBS	7	19	20	16	19	12	16	7
SMR	1.54	1.63	1.77	1.39	1.60	1.03	1.54	1.28
CNTRL OBS	22	32	40	34	39	46	41	26
SMR	2.02	1.08	1.29	1.01	1.06	1.20	1.14	1.33
BRAIN & OTHER C.N.S.								
STUDY OBS	11	27	17	28	31	53	32	11
SMR	1.47	1.28	0.68	1.00	0.96	1.48	0.98	0.60
CNTRL OBS	20	49	71	85	98	110	118	57
SMR	1.11	0.89	1.00	0.99	0.94	0.91	1.02	0.86
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	6	22	9	2
SMR	0.00	0.00	0.00	0.00	0.98	1.61	1.20	1.17
CNTRL OBS	0	0	0	0	26	62	32	5
SMR	0.00	0.00	0.00	0.00	1.35	1.40	1.26	0.84

Table 2-D.5

Age at death: 60 plus	Salem 1,2 (1976) New Castle, DE ; Salem, NJ									
	YEARS BEFORE STARTUP					YEARS AFTER STARTUP				
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84		
LEUKEMIA & ALEUKEMIA										
STUDY OBS	11	39	53	80	65	84	94	71		
SMR	0.80	0.95	0.99	1.25	0.89	1.04	1.00	1.11		
CNTRL OBS	26	115	143	177	208	257	320	243		
SMR	0.77	1.05	0.93	0.88	0.85	0.88	0.92	1.04		
ALL CANCER, EXCL LEUK										
STUDY OBS	478	1341	1676	1928	2192	2519	2983	2051		
SMR	1.10	1.09	1.17	1.17	1.17	1.16	1.15	1.15		
CNTRL OBS	1290	3679	4722	5509	6716	8654	10859	7497		
SMR	1.20	1.13	1.15	1.08	1.07	1.11	1.15	1.16		
HODGKIN'S DISEASE										
STUDY OBS	5	8	6	5	9	14	13	5		
SMR	1.82	1.02	0.65	0.49	0.84	1.41	1.57	1.03		
CNTRL OBS	7	19	28	30	32	47	33	17		
SMR	1.03	0.91	1.05	0.94	0.88	1.31	1.07	0.95		
OTHER LYMPHOMA										
STUDY OBS	7	25	29	50	55	49	61	63		
SMR	0.95	1.10	0.91	1.22	1.08	0.80	0.79	1.13		
CNTRL OBS	13	67	88	120	147	195	264	189		
SMR	0.72	1.10	0.96	0.93	0.85	0.88	0.92	0.91		
MULTIPLE MYELOMA										
STUDY OBS	3	8	13	17	38	31	45	39		
SMR	1.00	0.78	0.82	0.80	1.35	0.84	0.96	1.19		
CNTRL OBS	12	28	48	52	74	121	178	125		
SMR	1.61	1.02	1.05	0.79	0.80	0.94	1.06	1.07		
DIGESTIVE ORGANS										
STUDY OBS	231	550	670	778	760	825	904	593		
SMR	1.18	1.02	1.14	1.23	1.15	1.17	1.15	1.15		
CNTRL OBS	606	1617	1915	2095	2427	2866	3309	2241		
SMR	1.26	1.14	1.14	1.07	1.10	1.14	1.16	1.20		
STOMACH										
STUDY OBS	61	143	138	156	129	103	119	69		
SMR	1.07	0.97	0.98	1.21	1.12	0.97	1.13	1.06		
CNTRL OBS	159	401	429	384	353	394	389	239		
SMR	1.13	1.02	1.07	0.97	0.94	1.05	1.04	1.03		

Age at death: 60 plus

Salem 1,2 (1976)  
New Castle, DE ; Salem, NJ

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM	STUDY OBS	96	237	313	375	363	452	497	320
	SMR	1.23	1.08	1.24	1.33	1.17	1.31	1.28	1.27
	CNTRL OBS	263	732	900	1022	1252	1577	1749	1201
	SMR	1.37	1.26	1.25	1.16	1.20	1.27	1.23	1.30
LIVER (PRIMARY)	STUDY OBS	34	66	77	63	44	38	36	25
	SMR	1.41	1.01	1.12	0.95	0.89	1.08	0.93	0.94
	CNTRL OBS	69	181	212	223	164	137	138	119
	SMR	1.17	1.05	1.07	1.09	1.01	1.11	1.00	1.27
TRACHEA, BRONCHUS, LUNG	STUDY OBS	34	155	239	338	495	636	785	565
	SMR	0.86	1.23	1.27	1.29	1.38	1.32	1.22	1.21
	CNTRL OBS	121	415	761	928	1405	2069	2831	2010
	SMR	1.23	1.23	1.40	1.13	1.16	1.19	1.19	1.18
BREAST (FEMALE)	STUDY OBS	37	107	124	122	128	163	242	155
	SMR	1.12	1.14	1.15	0.98	0.89	0.96	1.20	1.12
	CNTRL OBS	102	284	324	448	503	610	786	566
	SMR	1.27	1.15	1.04	1.16	1.05	1.02	1.07	1.13
THYROID	STUDY OBS	4	4	4	7	8	3	7	4
	SMR	1.97	0.70	0.62	1.07	1.20	0.43	1.00	0.93
	CNTRL OBS	2	13	17	37	22	22	20	15
	SMR	0.40	0.85	0.92	1.81	0.99	0.89	0.78	0.96
BONES & JOINTS	STUDY OBS	4	9	6	8	8	16	4	3
	SMR	1.15	0.99	0.71	1.00	0.97	1.98	0.62	1.06
	CNTRL OBS	10	22	27	31	33	33	28	4
	SMR	1.16	0.92	1.12	1.25	1.20	1.14	1.19	0.38
BLADDER	STUDY OBS	19	70	77	65	90	117	120	59
	SMR	1.13	1.49	1.45	1.11	1.40	1.67	1.58	1.22
	CNTRL OBS	66	162	181	250	268	346	359	235
	SMR	1.60	1.30	1.19	1.37	1.24	1.36	1.28	1.32
BRAIN & OTHER C.N.S.	STUDY OBS	0	9	14	18	28	53	41	35
	SMR	0.00	0.89	1.00	0.98	1.06	1.36	0.83	1.03
	CNTRL OBS	9	17	42	60	78	142	189	133
	SMR	1.09	0.63	1.03	1.03	0.86	1.00	1.03	1.06
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	11	35	13	10
	SMR	0.00	0.00	0.00	0.00	1.15	1.42	0.68	1.60
	CNTRL OBS	0	0	0	0	36	109	72	24
	SMR	0.00	0.00	0.00	0.00	1.11	1.25	1.05	1.08



Table 2-D.5

Age at death: all	Salem 1,2 (1976) New Castle, DE ; Salem, NJ							
	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
LEUKEMIA & ALEUKEMIA								
STUDY OBS	33	91	105	147	139	144	150	116
SMR	1.02	0.98	0.93	1.15	1.01	1.02	1.00	1.22
CNTRL OBS	78	242	298	328	393	435	510	360
SMR	0.97	0.96	0.91	0.83	0.88	0.88	0.95	1.03
ALL CANCER, EXCL LEUK								
STUDY OBS	780	2141	2575	3001	3327	3702	4204	2754
SMR	1.10	1.09	1.14	1.17	1.14	1.13	1.14	1.14
CNTRL OBS	1988	5634	7136	8395	10038	12542	14881	9846
SMR	1.15	1.09	1.11	1.07	1.06	1.10	1.12	1.13
HODGKIN'S DISEASE								
STUDY OBS	9	32	24	21	29	27	25	16
SMR	0.96	1.23	0.80	0.64	0.87	0.95	1.17	1.36
CNTRL OBS	30	71	81	105	103	107	86	51
SMR	1.28	1.01	0.93	1.03	0.95	1.10	1.11	1.18
OTHER LYMPHOMA								
STUDY OBS	21	62	64	79	88	83	102	87
SMR	1.32	1.31	1.04	1.04	0.98	0.83	0.89	1.11
CNTRL OBS	29	119	171	231	253	316	391	264
SMR	0.74	0.94	0.96	0.98	0.85	0.89	0.93	0.91
MULTIPLE MYELOMA								
STUDY OBS	5	17	22	21	51	43	61	49
SMR	0.95	1.00	0.89	0.68	1.31	0.87	1.01	1.20
CNTRL OBS	16	44	75	90	98	153	222	145
SMR	1.24	0.98	1.07	0.95	0.78	0.90	1.05	1.01
DIGESTIVE ORGANS								
STUDY OBS	332	792	891	1062	1041	1079	1167	764
SMR	1.20	1.06	1.11	1.24	1.16	1.14	1.15	1.18
CNTRL OBS	822	2175	2548	2800	3145	3718	4149	2723
SMR	1.22	1.11	1.12	1.07	1.07	1.13	1.14	1.17
STOMACH								
STUDY OBS	91	201	168	200	174	141	145	98
SMR	1.17	1.01	0.90	1.18	1.13	1.00	1.06	1.19
CNTRL OBS	212	518	549	488	467	504	486	296
SMR	1.12	0.99	1.05	0.95	0.95	1.04	1.01	1.01

Age at death: all

Salem 1,2 (1976)  
New Castle, DE ; Salem, NJ

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP	
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81 1982-84
COLON & RECTUM							
STUDY OBS	143	341	415	493	488	571	610 399
SMR	1.29	1.12	1.22	1.31	1.18	1.27	1.25 1.29
CNTRL OBS	358	963	1186	1345	1595	1982	2144 1427
SMR	1.32	1.20	1.22	1.16	1.17	1.25	1.22 1.27
LIVER (PRIMARY)							
STUDY OBS	46	90	102	96	59	50	56 29
SMR	1.34	0.99	1.09	1.06	0.85	1.00	1.05 0.82
CNTRL OBS	98	254	283	302	212	180	193 146
SMR	1.17	1.06	1.06	1.10	0.95	1.05	1.03 1.17
TRACHEA, BRONCHUS, LUNG							
STUDY OBS	68	255	372	558	750	967	1132 761
SMR	0.95	1.15	1.18	1.29	1.28	1.27	1.19 1.17
CNTRL OBS	209	685	1139	1456	2189	3058	3974 2701
SMR	1.19	1.17	1.26	1.09	1.13	1.15	1.16 1.15
BREAST (FEMALE)							
STUDY OBS	62	209	254	262	275	312	403 246
SMR	0.93	1.11	1.17	1.05	0.96	0.98	1.16 1.10
CNTRL OBS	177	530	618	807	977	1143	1347 867
SMR	1.09	1.07	1.00	1.06	1.05	1.04	1.09 1.08
THYROID							
STUDY OBS	4	6	8	10	10	5	10 5
SMR	1.27	0.69	0.86	1.07	1.06	0.53	1.08 0.91
CNTRL OBS	5	14	25	46	32	31	23 19
SMR	0.65	0.61	0.94	1.60	1.04	0.94	0.69 0.95
BONES & JOINTS							
STUDY OBS	5	20	18	18	13	31	11 7
SMR	0.72	1.10	1.03	1.05	0.73	1.78	0.79 1.07
CNTRL OBS	19	45	49	63	67	56	53 23
SMR	1.11	0.93	0.97	1.20	1.17	0.95	1.08 0.98
BLADDER							
STUDY OBS	27	89	97	83	109	129	137 66
SMR	1.25	1.50	1.49	1.18	1.43	1.57	1.58 1.22
CNTRL OBS	90	197	224	285	307	392	401 261
SMR	1.70	1.27	1.21	1.31	1.21	1.33	1.26 1.32
BRAIN & OTHER C.N.S.							
STUDY OBS	18	48	51	67	73	116	84 55
SMR	1.09	1.01	0.87	1.01	0.94	1.24	0.86 0.90
CNTRL OBS	44	115	172	194	219	302	346 218
SMR	1.07	0.89	1.01	0.95	0.87	0.94	0.97 0.96
BENIGN & UNSPEC NEOPLASMS							
STUDY OBS	0	0	0	0	22	68	24 13
SMR	0.00	0.00	0.00	0.00	1.16	1.49	0.79 1.47
CNTRL OBS	0	0	0	0	76	192	112 32
SMR	0.00	0.00	0.00	0.00	1.23	1.24	1.05 1.03

Table 2-D.6

Age at death: under 10	St. Lucie 1,2 (1976) St. Lucie, FL							
	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
LEUKEMIA & ALEUKEMIA								
STUDY OBS	2	2	2	4	1	0	2	0
SMR	5.95	1.80	1.35	2.63	0.74	0.00	1.88	0.00
CNTRL OBS	0	5	4	5	6	3	1	2
SMR	0.00	1.27	0.90	1.12	1.50	0.89	0.40	1.45
ALL CANCER, EXCL LEUK								
STUDY OBS	0	3	1	0	2	3	1	2
SMR	0.00	2.24	0.57	0.00	1.25	1.88	0.62	1.73
CNTRL OBS	3	5	5	0	3	2	2	2
SMR	1.80	1.09	0.98	0.00	0.66	0.48	0.54	0.83
HODGKIN'S DISEASE								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER LYMPHOMA								
STUDY OBS	0	0	1	0	0	0	0	0
SMR	0.00	0.00	4.11	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	0	0	0	0	0	0
SMR	0.00	1.63	0.00	0.00	0.00	0.00	0.00	0.00
MULTIPLE MYELOMA								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STOMACH								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

[illegible]

Table 2-D.6

Age at death: 10 to 19	St. Lucie 1,2 (1976) St. Lucie, FL							
	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
LEUKEMIA & ALEUKEMIA								
STUDY OBS	0	0	0	1	1	3	1	0
SMR	0.00	0.00	0.00	1.23	1.07	2.88	0.96	0.00
CNTRL OBS	0	2	0	3	1	3	1	3
SMR	0.00	1.04	0.00	1.08	0.33	0.91	0.33	1.71
ALL CANCER, EXCL LEUK								
STUDY OBS	0	0	0	1	1	0	2	2
SMR	0.00	0.00	0.00	0.61	0.54	0.00	1.02	1.60
CNTRL OBS	2	2	5	4	3	6	1	4
SMR	1.45	0.49	1.03	0.70	0.48	0.93	0.17	1.20
HODGKIN'S DISEASE								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	1	0	0	0	0	1
SMR	0.00	0.00	1.82	0.00	0.00	0.00	0.00	4.25
OTHER LYMPHOMA								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	2	2	0	0	0	0
SMR	0.00	0.00	2.83	2.39	0.00	0.00	0.00	0.00
MULTIPLE MYELOMA								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS								
STUDY OBS	0	0	0	0	0	0	0	1
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.92
CNTRL OBS	1	1	0	1	0	0	0	0
SMR	9.58	3.59	0.00	3.30	0.00	0.00	0.00	0.00
STOMACH								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Age at death: 10 to 19

St. Lucie 1,2 (1976)  
St. Lucie, FL

Table 2-D.6

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	1	0	0	0	0	0	0	0
SMR	20.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)								
STUDY OBS	0	0	0	0	0	0	0	1
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.52
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	1	0	2
SMR	0.00	0.00	0.00	0.00	0.00	0.85	0.00	3.44
BLADDER								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	0	0	0	1	1	0	0	1
SMR	0.00	0.00	0.00	2.56	2.32	0.00	0.00	3.22
CNTRL OBS	1	0	1	0	2	1	0	1
SMR	3.26	0.00	0.87	0.00	1.43	0.63	0.00	1.27
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	0.00	1.61	0.00	0.00



Age at death: 20 to 39

St. Lucie 1,2 (1976)  
St. Lucie, FL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	0	1	1	1	1	1	2	1
	SMR	0.00	1.18	0.98	0.94	0.90	0.67	0.99	0.64
CNTRL	OBS	0	5	4	2	3	3	4	7
	SMR	0.00	1.54	1.19	0.53	0.68	0.52	0.57	1.49
ALL CANCER, EXCL LEUK									
STUDY	OBS	5	9	5	9	18	16	16	16
	SMR	1.65	1.03	0.49	0.84	1.71	1.30	1.04	1.33
CNTRL	OBS	8	29	19	30	42	37	41	30
	SMR	0.69	0.99	0.65	0.95	1.23	0.91	0.88	0.92
HODGKIN'S DISEASE									
STUDY	OBS	0	1	0	2	3	2	1	1
	SMR	0.00	1.66	0.00	2.46	3.71	2.19	1.06	1.51
CNTRL	OBS	0	1	0	2	3	1	0	1
	SMR	0.00	0.41	0.00	0.63	0.84	0.27	0.00	0.50
OTHER LYMPHOMA									
STUDY	OBS	0	0	0	1	0	0	4	0
	SMR	0.00	0.00	0.00	1.77	0.00	0.00	3.95	0.00
CNTRL	OBS	0	1	0	1	3	2	1	1
	SMR	0.00	0.67	0.00	0.52	1.38	0.73	0.30	0.42
MULTIPLE MYELOMA									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS									
STUDY	OBS	1	2	0	0	2	1	4	1
	SMR	1.63	1.14	0.00	0.00	1.10	0.50	1.64	0.54
CNTRL	OBS	1	6	4	5	9	4	9	4
	SMR	0.45	1.10	0.78	0.98	1.76	0.67	1.31	0.82
STOMACH									
STUDY	OBS	1	0	0	0	0	0	0	0
	SMR	6.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	1	1	1	1	2	0	1	1
	SMR	1.84	0.77	0.86	0.95	2.12	0.00	0.85	1.20

Age at death: 20 to 39

St. Lucie 1,2 (1976)  
St. Lucie, FL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM									
STUDY	OBS	0	1	0	0	1	1	3	1
	SMR	0.00	1.27	0.00	0.00	1.24	1.08	2.66	1.19
CNTRL	OBS	0	2	2	1	4	2	4	1
	SMR	0.00	0.79	0.85	0.43	1.67	0.70	1.23	0.45
LIVER (PRIMARY)									
STUDY	OBS	0	0	0	0	0	0	1	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	3.41	0.00
CNTRL	OBS	0	1	0	0	2	0	1	2
	SMR	0.00	1.55	0.00	0.00	3.42	0.00	1.17	3.07
TRACHEA, BRONCHUS, LUNG									
STUDY	OBS	0	0	0	1	2	5	1	4
	SMR	0.00	0.00	0.00	1.00	1.80	3.94	0.68	3.66
CNTRL	OBS	0	2	4	5	4	2	5	0
	SMR	0.00	1.23	2.02	2.02	1.38	0.57	1.26	0.00
BREAST (FEMALE)									
STUDY	OBS	0	0	1	2	1	2	2	1
	SMR	0.00	0.00	0.70	1.32	0.66	1.14	0.85	0.51
CNTRL	OBS	1	4	1	6	3	5	4	3
	SMR	0.71	1.10	0.26	1.49	0.71	0.96	0.62	0.61
THYROID									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS									
STUDY	OBS	0	1	1	0	0	1	1	0
	SMR	0.00	6.37	5.93	0.00	0.00	4.10	3.19	0.00
CNTRL	OBS	1	2	0	0	0	1	1	2
	SMR	3.67	2.97	0.00	0.00	0.00	0.93	0.80	2.44
BLADDER									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	1	0	1	0	0	1	0
	SMR	0.00	5.50	0.00	8.23	0.00	0.00	7.83	0.00
BRAIN & OTHER C.N.S.									
STUDY	OBS	0	0	1	0	0	1	0	2
	SMR	0.00	0.00	1.34	0.00	0.00	0.91	0.00	1.87
CNTRL	OBS	1	0	1	2	7	4	2	1
	SMR	1.14	0.00	0.42	0.76	2.30	0.98	0.44	0.32
BENIGN & UNSPEC NEOPLASMS									
STUDY	OBS	0	0	0	0	0	1	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	2.05	0.00	0.00
CNTRL	OBS	0	0	0	0	2	0	1	0
	SMR	0.00	0.00	0.00	0.00	3.18	0.00	0.93	0.00

Age at death: 40 to 59

St. Lucie 1,2 (1976)  
St. Lucie, FL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
LEUKEMIA & ALEUKEMIA	STUDY OBS	1	2	3	4	2	4	6	6
	SMR	1.64	1.00	1.14	1.34	0.62	1.02	1.23	1.64
	CNTRL OBS	1	4	4	12	8	10	5	5
	SMR	0.51	0.73	0.65	1.78	1.10	1.22	0.56	0.85
ALL CANCER, EXCL LEUK	STUDY OBS	18	62	84	82	131	160	203	128
	SMR	1.02	1.06	1.07	0.88	1.20	1.16	1.19	1.01
	CNTRL OBS	69	157	204	233	233	271	340	200
	SMR	1.15	0.96	1.11	1.12	0.98	0.97	1.11	1.00
HODGKIN'S DISEASE	STUDY OBS	0	3	0	1	1	0	1	2
	SMR	0.00	3.93	0.00	0.86	0.84	0.00	1.06	3.28
	CNTRL OBS	1	4	2	2	3	3	1	1
	SMR	1.32	1.92	0.85	0.75	1.09	1.24	0.56	0.99
OTHER LYMPHOMA	STUDY OBS	0	2	0	1	2	2	7	3
	SMR	0.00	1.40	0.00	0.38	0.65	0.52	1.46	0.81
	CNTRL OBS	2	3	4	7	6	6	8	5
	SMR	1.53	0.78	0.83	1.19	0.87	0.76	0.93	0.86
MULTIPLE MYELOMA	STUDY OBS	0	0	0	0	0	3	4	2
	SMR	0.00	0.00	0.00	0.00	0.00	1.63	1.71	1.16
	CNTRL OBS	0	1	5	3	7	1	7	5
	SMR	0.00	0.56	2.08	1.10	2.35	0.27	1.67	1.81
DIGESTIVE ORGANS	STUDY OBS	5	18	28	24	28	27	43	22
	SMR	0.86	0.96	1.20	0.93	1.01	0.83	1.13	0.80
	CNTRL OBS	22	54	41	51	47	51	67	46
	SMR	1.12	1.04	0.76	0.90	0.79	0.78	0.99	1.06
STOMACH	STUDY OBS	4	8	6	8	4	4	5	2
	SMR	2.48	1.64	1.14	1.59	0.85	0.83	0.98	0.56
	CNTRL OBS	6	14	7	6	6	8	4	11
	SMR	1.07	1.00	0.57	0.54	0.60	0.82	0.43	1.91

Age at death: 40 to 59

St. Lucie 1,2 (1976)  
St. Lucie, FL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM	STUDY OBS	0	5	10	7	11	10	20	9
	SMR	0.00	0.72	1.14	0.71	1.01	0.75	1.25	0.78
	CNTRL OBS	9	16	16	18	21	24	24	19
LIVER (PRIMARY)	STUDY OBS	1.28	0.84	0.79	0.82	0.87	0.88	0.84	1.06
	SMR								
	CNTRL OBS	1	2	3	3	1	0	4	0
TRACHEA, BRONCHUS, LUNG	STUDY OBS	1.35	0.86	1.10	1.08	0.43	0.00	1.74	0.00
	SMR								
	CNTRL OBS	2	8	4	7	1	2	5	0
BREAST (FEMALE)	STUDY OBS	0.79	1.23	0.63	1.16	0.20	0.51	1.23	0.00
	SMR								
	CNTRL OBS	2	7	9	18	32	68	74	47
THYROID	STUDY OBS	0.87	0.85	0.67	0.95	1.21	1.78	1.43	1.19
	SMR								
	CNTRL OBS	5	20	42	58	71	92	109	64
BONES & JOINTS	STUDY OBS	0.69	0.91	1.38	1.39	1.25	1.19	1.18	1.03
	SMR								
	CNTRL OBS	0	3	7	8	15	12	19	14
BLADDER	STUDY OBS	0.00	0.42	0.70	0.65	1.04	0.65	0.84	0.84
	SMR								
	CNTRL OBS	7	20	31	26	28	25	41	29
BRAIN & OTHER C.N.S.	STUDY OBS	0.98	0.99	1.31	0.93	0.86	0.66	1.01	1.11
	SMR								
	CNTRL OBS	0	0	0	0	2	1	0	2
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	0.00	0.00	0.00	7.04	3.27	0.00	8.67
	SMR								
	CNTRL OBS	0	0	0	1	0	1	1	0
BLADDER	STUDY OBS	0.00	0.00	0.00	1.54	0.00	1.58	1.60	0.00
	SMR								
	CNTRL OBS	0	1	1	0	1	2	1	0
BRAIN & OTHER C.N.S.	STUDY OBS	0.00	2.22	2.03	0.00	2.13	3.79	2.10	0.00
	SMR								
	CNTRL OBS	1	1	2	2	1	1	0	0
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	2.03	0.79	1.73	1.91	0.97	0.92	0.00	0.00
	SMR								
	CNTRL OBS	1	1	3	1	2	3	1	0
BLADDER	STUDY OBS	2.71	0.87	2.20	0.69	1.35	1.83	0.56	0.00
	SMR								
	CNTRL OBS	2	3	5	2	2	1	6	4
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	1.61	0.93	1.56	0.62	0.62	0.30	1.88	2.10
	SMR								
	CNTRL OBS	0	2	4	2	4	4	6	3
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	1.15	1.64	0.70	1.18	0.87	1.12	0.76
	SMR								
	CNTRL OBS	5	4	7	7	7	18	8	2
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	3.11	0.86	1.24	1.08	0.91	1.86	0.82	0.32
	SMR								
	CNTRL OBS	0	0	0	0	1	1	0	0
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	0.00	0.00	0.00	1.35	0.53	0.00	0.00
	SMR								
	CNTRL OBS	0	0	0	0	3	7	3	2
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0.00	0.00	0.00	0.00	1.84	1.76	1.27	3.15
	SMR								
	CNTRL OBS	0	0	0	0	0	0	0	0

Age at death: 60 plus

St. Lucie 1,2 (1976)  
St. Lucie, FL

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	3	1	2	11	11	19	19	13
SMR	3.09	0.23	0.27	1.00	0.74	0.93	0.65	0.55
CNTRL OBS	1	8	19	16	13	29	26	20
SMR	0.32	0.84	1.49	0.97	0.64	1.15	0.81	0.84
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	26	93	172	280	352	485	766	653
SMR	0.84	0.74	0.87	0.99	0.92	0.88	0.95	0.98
CNTRL OBS	100	284	305	412	496	701	889	690
SMR	0.90	0.90	0.81	0.90	0.89	0.98	0.96	1.01
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	0	2	4	0	2	1	1	2
SMR	0.00	2.45	3.10	0.00	0.93	0.40	0.39	1.09
CNTRL OBS	0	1	3	1	2	2	3	3
SMR	0.00	0.55	1.38	0.39	0.68	0.66	1.08	1.71
<b>OTHER LYMPHOMA</b>								
STUDY OBS	0	1	5	4	6	8	21	17
SMR	0.00	0.42	1.13	0.57	0.59	0.52	0.88	0.82
CNTRL OBS	0	1	5	10	8	12	19	16
SMR	0.00	0.19	0.67	0.96	0.58	0.65	0.74	0.80
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	1	1	1	4	2	4	10	7
SMR	4.48	0.89	0.44	1.08	0.35	0.43	0.70	0.59
CNTRL OBS	1	2	4	8	8	6	22	7
SMR	1.28	0.74	0.93	1.29	0.89	0.46	1.23	0.52
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	13	38	67	98	126	160	239	166
SMR	0.94	0.70	0.83	0.92	0.95	0.91	1.00	0.88
CNTRL OBS	42	110	103	131	159	197	250	176
SMR	0.85	0.80	0.67	0.75	0.81	0.84	0.89	0.88
<b>STOMACH</b>								
STUDY OBS	6	9	12	35	12	24	36	15
SMR	1.43	0.58	0.61	1.56	0.51	0.90	1.13	0.64
CNTRL OBS	12	27	24	18	30	30	39	21
SMR	0.76	0.66	0.60	0.46	0.81	0.79	0.97	0.79

Age at death: 60 plus

St. Lucie 1,2 (1976)  
St. Lucie, FL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM	STUDY OBS	3	14	26	36	59	76	105	91
	SMR	0.56	0.65	0.78	0.77	0.96	0.90	0.90	1.00
	CNTRL OBS	18	46	45	57	62	85	116	83
	SMR	0.98	0.88	0.73	0.77	0.70	0.77	0.86	0.87
LIVER (PRIMARY)	STUDY OBS	2	4	13	12	13	9	13	9
	SMR	1.21	0.62	1.42	1.09	1.33	1.01	1.09	0.93
	CNTRL OBS	4	16	11	16	14	11	10	5
	SMR	0.67	0.98	0.63	0.88	0.94	0.90	0.68	0.47
TRACHEA, BRONCHUS, LUNG	STUDY OBS	2	20	26	56	76	127	194	193
	SMR	0.66	1.41	0.91	1.15	0.98	0.97	0.91	1.04
	CNTRL OBS	9	27	50	65	107	172	265	234
	SMR	0.92	0.87	1.06	0.91	1.01	1.08	1.15	1.31
BREAST (FEMALE)	STUDY OBS	1	6	13	16	32	33	50	40
	SMR	0.51	0.74	1.04	0.88	1.28	0.89	0.91	0.87
	CNTRL OBS	9	17	20	26	29	47	59	33
	SMR	1.20	0.78	0.77	0.81	0.73	0.91	0.90	0.68
THYROID	STUDY OBS	0	0	2	1	3	1	1	1
	SMR	0.00	0.00	2.44	0.96	2.39	0.62	0.50	0.67
	CNTRL OBS	0	0	3	0	2	1	3	3
	SMR	0.00	0.00	1.89	0.00	1.05	0.46	1.26	1.90
BONES & JOINTS	STUDY OBS	0	1	1	1	0	1	0	3
	SMR	0.00	1.07	0.86	0.73	0.00	0.49	0.00	2.85
	CNTRL OBS	1	0	1	3	1	1	1	2
	SMR	1.15	0.00	0.46	1.38	0.42	0.38	0.45	1.88
BLADDER	STUDY OBS	1	3	7	5	15	20	34	26
	SMR	0.82	0.61	0.93	0.48	1.10	1.09	1.40	1.42
	CNTRL OBS	6	13	12	17	22	20	33	19
	SMR	1.45	1.12	0.90	1.08	1.19	0.88	1.23	1.02
BRAIN & OTHER C.N.S.	STUDY OBS	1	2	0	4	3	13	9	13
	SMR	4.19	1.87	0.00	1.28	0.57	1.31	0.58	1.00
	CNTRL OBS	1	3	3	3	3	18	15	13
	SMR	1.40	1.36	0.96	0.67	0.42	1.50	0.91	1.07
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	2	8	2	1
	SMR	0.00	0.00	0.00	0.00	1.00	1.33	0.36	0.46
	CNTRL OBS	0	0	0	0	2	10	5	2
	SMR	0.00	0.00	0.00	0.00	0.68	1.23	0.74	0.81



Age at death: all

St. Lucie 1,2 (1976)  
St. Lucie, FL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	6	6	8	21	16	27	30	20
	SMR	2.58	0.69	0.61	1.21	0.75	0.96	0.79	0.66
CNTRL	OBS	2	24	31	38	31	48	37	37
	SMR	0.24	1.00	1.07	1.11	0.80	1.04	0.69	0.99
ALL CANCER, EXCL LEUK									
STUDY	OBS	49	167	262	372	504	664	988	801
	SMR	0.94	0.85	0.90	0.95	1.00	0.94	0.99	1.00
CNTRL	OBS	182	477	538	679	777	1017	1273	926
	SMR	0.98	0.92	0.90	0.96	0.92	0.97	0.99	1.01
HODGKIN'S DISEASE									
STUDY	OBS	0	6	4	3	6	3	3	5
	SMR	0.00	2.60	1.25	0.77	1.38	0.64	0.65	1.56
CNTRL	OBS	1	6	6	5	8	6	4	6
	SMR	0.40	0.87	0.77	0.55	0.81	0.62	0.48	1.20
OTHER LYMPHOMA									
STUDY	OBS	0	3	6	6	8	10	32	20
	SMR	0.00	0.67	0.81	0.56	0.56	0.49	1.06	0.78
CNTRL	OBS	2	6	11	20	17	20	28	22
	SMR	0.51	0.51	0.72	1.02	0.70	0.65	0.72	0.76
MULTIPLE MYELOMA									
STUDY	OBS	1	1	1	4	2	7	14	9
	SMR	2.45	0.55	0.30	0.80	0.28	0.63	0.84	0.66
CNTRL	OBS	1	3	9	11	15	7	29	12
	SMR	0.71	0.65	1.31	1.21	1.24	0.41	1.31	0.74
DIGESTIVE ORGANS									
STUDY	OBS	19	58	95	122	156	188	286	190
	SMR	0.94	0.77	0.90	0.90	0.96	0.89	1.02	0.87
CNTRL	OBS	66	171	148	188	215	252	326	226
	SMR	0.92	0.88	0.69	0.79	0.82	0.82	0.91	0.91
STOMACH									
STUDY	OBS	11	17	18	43	16	28	41	17
	SMR	1.84	0.82	0.71	1.54	0.56	0.88	1.09	0.62
CNTRL	OBS	19	42	32	25	38	38	44	33
	SMR	0.86	0.74	0.60	0.49	0.79	0.78	0.87	0.99

Age at death: all  
St. Lucie 1,2 (1976)  
St. Lucie, FL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM	STUDY OBS	3	20	36	43	71	87	128	101
	SMR	0.39	0.68	0.84	0.75	0.97	0.88	0.96	0.97
	CNTRL OBS	28	64	63	76	87	111	144	103
	SMR	1.06	0.86	0.75	0.77	0.76	0.79	0.87	0.89
LIVER (PRIMARY)	STUDY OBS	3	6	16	15	14	9	18	10
	SMR	1.21	0.66	1.31	1.06	1.13	0.81	1.23	0.85
	CNTRL OBS	6	25	15	23	17	13	16	7
	SMR	0.68	1.06	0.61	0.92	0.82	0.76	0.81	0.49
TRACHEA, BRONCHUS, LUNG	STUDY OBS	4	27	35	75	110	200	269	244
	SMR	0.73	1.17	0.82	1.09	1.05	1.18	1.01	1.08
	CNTRL OBS	14	49	96	128	182	266	379	298
	SMR	0.79	0.89	1.20	1.10	1.10	1.11	1.16	1.22
BREAST (FEMALE)	STUDY OBS	1	9	21	26	48	47	71	55
	SMR	0.22	0.55	0.87	0.81	1.17	0.82	0.89	0.85
	CNTRL OBS	17	41	52	58	60	77	104	65
	SMR	1.06	0.90	0.97	0.90	0.78	0.81	0.93	0.82
THYROID	STUDY OBS	0	0	2	1	5	2	1	3
	SMR	0.00	0.00	1.76	0.73	3.18	1.02	0.42	1.71
	CNTRL OBS	0	0	3	1	2	2	4	3
	SMR	0.00	0.00	1.27	0.40	0.75	0.68	1.28	1.47
BONES & JOINTS	STUDY OBS	0	3	3	1	1	4	2	3
	SMR	0.00	1.70	1.41	0.43	0.37	1.25	0.64	1.68
	CNTRL OBS	3	3	4	5	2	4	2	6
	SMR	1.53	0.58	0.80	0.98	0.36	0.66	0.36	2.04
BLADDER	STUDY OBS	2	4	10	6	17	23	36	26
	SMR	1.24	0.65	1.12	0.50	1.12	1.14	1.38	1.33
	CNTRL OBS	8	17	17	20	24	21	40	23
	SMR	1.46	1.13	1.02	1.04	1.10	0.80	1.32	1.12
BRAIN & OTHER C.N.S.	STUDY OBS	1	5	5	7	8	19	15	21
	SMR	0.85	1.21	0.80	0.89	0.76	1.14	0.64	1.12
	CNTRL OBS	9	9	14	12	21	42	25	18
	SMR	2.18	0.76	0.97	0.71	1.00	1.45	0.74	0.78
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	3	10	2	1
	SMR	0.00	0.00	0.00	0.00	0.96	1.12	0.27	0.37
	CNTRL OBS	0	0	0	0	7	18	9	4
	SMR	0.00	0.00	0.00	0.00	1.22	1.19	0.83	1.12



Age at death: under 10

Crystal River 3 (1977)  
Citrus, FL

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	1	0	0	0	0
SMR	0.00	0.00	0.00	14.23	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BLADDER								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	1	1	0	1	1	0
SMR	0.00	0.00	1.02	1.02	0.00	0.88	0.78	0.00
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	0.00	2.12	0.00	0.00



Age at death: 10 to 19

Crystal River 3 (1977)  
Citrus, FL

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	1
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.03
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	1	1	0	0	0	0
SMR	0.00	0.00	50.63	41.03	0.00	0.00	0.00	0.00
BREAST (FEMALE)								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	1	0	0	1	0	2
SMR	0.00	0.00	2.76	0.00	0.00	1.14	0.00	5.33
BLADDER								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	0	0	0	0	1	0	0	0
SMR	0.00	0.00	0.00	0.00	6.89	0.00	0.00	0.00
CNTRL OBS	0	2	0	0	1	2	0	1
SMR	0.00	5.36	0.00	0.00	1.23	1.62	0.00	1.88
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	1	0	0	0
SMR	0.00	0.00	0.00	0.00	25.74	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	1	0	0	0
SMR	0.00	0.00	0.00	0.00	4.66	0.00	0.00	0.00



Age at death: 20 to 39

Crystal River 3 (1977)  
Citrus, FL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	0	0	0	0	0	1	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	1.52	0.00	0.00
CNTRL	OBS	1	0	2	1	4	7	3	2
	SMR	1.76	0.00	1.47	0.62	1.96	1.97	0.60	0.85
ALL CANCER, EXCL LEUK									
STUDY	OBS	1	1	2	1	2	9	9	5
	SMR	0.97	0.54	0.99	0.42	0.68	1.69	1.25	1.40
CNTRL	OBS	7	5	11	15	20	34	40	30
	SMR	1.24	0.46	0.87	1.04	1.16	1.23	1.03	1.61
HODGKIN'S DISEASE									
STUDY	OBS	0	0	0	0	0	1	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	2.49	0.00	0.00
CNTRL	OBS	0	0	1	0	5	3	6	1
	SMR	0.00	0.00	0.92	0.00	3.10	1.37	2.54	0.97
OTHER LYMPHOMA									
STUDY	OBS	0	0	0	0	0	0	1	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	2.08	0.00
CNTRL	OBS	0	0	2	2	2	1	2	3
	SMR	0.00	0.00	2.92	2.39	1.92	0.57	0.77	2.33
MULTIPLE MYELOMA									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	1	0	0	0	0	2	0
	SMR	0.00	18.87	0.00	0.00	0.00	0.00	11.77	0.00
DIGESTIVE ORGANS									
STUDY	OBS	0	0	0	1	0	4	1	2
	SMR	0.00	0.00	0.00	2.57	0.00	5.09	0.97	3.96
CNTRL	OBS	0	1	1	1	5	1	4	4
	SMR	0.00	0.48	0.44	0.43	1.92	0.25	0.73	1.51
STOMACH									
STUDY	OBS	0	0	0	0	0	1	0	1
	SMR	0.00	0.00	0.00	0.00	0.00	7.69	0.00	12.19
CNTRL	OBS	0	0	1	1	0	1	4	0
	SMR	0.00	0.00	2.00	2.15	0.00	1.52	4.50	0.00

Age at death: 20 to 39

Crystal River 3 (1977)  
Citrus, FL

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY OBS	0	0	0	0	0	1	1	0
	SMR	0.00	0.00	0.00	0.00	0.00	2.57	1.98	0.00
	CNTRL OBS	0	0	0	0	4	0	0	2
LIVER (PRIMARY)	STUDY OBS	0	0	0	0	0	0	0	1
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.58
	CNTRL OBS	0	0	0	0	0	0	0	0
TRACHEA, BRONCHUS, LUNG	STUDY OBS	0	1	1	0	2	1	0	0
	SMR	0.00	8.73	6.43	0.00	6.82	1.86	0.00	0.00
	CNTRL OBS	0	1	0	1	1	5	7	4
BREAST (FEMALE)	STUDY OBS	0	0	0	0	0	0	2	1
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	1.67	1.65
	CNTRL OBS	0	0	1	1	1	9	4	6
THYROID	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	1	0	0	1	0
BONES & JOINTS	STUDY OBS	0	0	0	0	0	0	10.47	0.00
	SMR	0.00	0.00	0.00	21.47	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	1	0
BLADDER	STUDY OBS	0	0	0	0	0	0	1	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	7.41	0.00
	CNTRL OBS	0	1	0	0	0	1	0	0
BRAIN & OTHER C.N.S.	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	0	0	0	1
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.90
	CNTRL OBS	1	0	2	2	1	3	2	4
	STUDY OBS	2.34	0.00	1.88	1.69	0.63	1.11	0.54	2.24
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	1	0	1
	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	1.08	0.00	6.69
	CNTRL OBS	0	0	0	0	0	0	0	0

Age at death: 40 to 59

Crystal River 3 (1977)  
Citrus, FL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY OBS	0		0	1	1	1	1	0	1
SHR	0.00		0.00	1.33	0.94	0.68	0.37	0.00	0.54
CNTRL OBS	0		0	2	4	6	9	17	6
SHR	0.00		0.00	0.44	0.66	0.75	0.67	0.91	0.66
<b>ALL CANCER, EXCL LEUK</b>									
STUDY OBS	13		12	25	30	39	92	127	60
SHR	1.48		0.68	1.13	0.92	0.80	0.99	0.99	0.94
CNTRL OBS	36		91	116	163	278	420	593	290
SHR	0.82		0.94	0.89	0.89	1.05	0.91	0.93	0.94
<b>HODGKIN'S DISEASE</b>									
STUDY OBS	0		0	0	1	0	0	1	2
SHR	0.00		0.00	0.00	2.51	0.00	0.00	1.49	6.63
CNTRL OBS	0		1	1	4	3	1	7	1
SHR	0.00		0.75	0.58	1.74	1.07	0.29	2.09	0.68
<b>OTHER LYMPHOMA</b>									
STUDY OBS	0		0	0	1	1	4	3	1
SHR	0.00		0.00	0.00	1.01	0.67	1.43	0.76	0.50
CNTRL OBS	0		2	1	2	6	12	11	8
SHR	0.00		0.77	0.26	0.35	0.73	0.86	0.56	0.82
<b>MULTIPLE MYELOMA</b>									
STUDY OBS	1		0	0	0	0	1	4	0
SHR	12.06		0.00	0.00	0.00	0.00	0.87	2.50	0.00
CNTRL OBS	0		0	0	1	5	4	7	3
SHR	0.00		0.00	0.00	0.48	1.63	0.71	0.88	0.77
<b>DIGESTIVE ORGANS</b>									
STUDY OBS	3		3	6	12	7	21	18	15
SHR	1.06		0.56	0.96	1.40	0.60	1.01	0.66	1.14
CNTRL OBS	13		25	31	34	63	94	133	54
SHR	0.92		0.84	0.84	0.71	1.00	0.92	0.99	0.84
<b>STOMACH</b>									
STUDY OBS	0		0	2	2	2	1	1	1
SHR	0.00		0.00	1.58	1.38	1.17	0.37	0.30	0.63
CNTRL OBS	3		5	8	8	13	7	15	7
SHR	0.82		0.73	1.11	1.01	1.42	0.52	0.90	0.89

Age at death: 40 to 59

Crystal River 3 (1977)  
Citrus, FL

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY								
	OBS	0	0	3	3	5	6	7	10
	SMR	0.00	0.00	1.16	0.81	0.96	0.62	0.56	1.66
	CNTRL								
	OBS	6	8	12	13	28	47	67	19
	SMR	1.07	0.66	0.77	0.62	0.98	0.99	1.08	0.64
LIVER (PRIMARY)	STUDY								
	OBS	1	1	0	4	0	3	1	0
	SMR	2.78	1.53	0.00	4.70	0.00	2.74	0.68	0.00
	CNTRL								
	OBS	1	5	3	3	6	8	8	2
	SMR	0.56	1.39	0.72	0.63	1.41	1.48	1.10	0.55
TRACHEA, BRONCHUS, LUNG	STUDY								
	OBS	1	2	6	4	16	34	50	20
	SMR	0.90	0.78	1.55	0.60	1.37	1.33	1.28	1.01
	CNTRL								
	OBS	6	13	25	35	72	144	207	107
	SMR	1.04	0.90	1.10	0.95	1.15	1.14	1.07	1.10
BREAST (FEMALE)	STUDY								
	OBS	2	1	5	3	5	6	19	7
	SMR	1.81	0.43	1.63	0.62	0.68	0.43	1.03	0.76
	CNTRL								
	OBS	4	16	17	21	42	47	70	33
	SMR	0.72	1.22	0.91	0.75	1.03	0.68	0.76	0.75
THYROID	STUDY								
	OBS	0	0	0	0	0	1	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	4.64	0.00	0.00
	CNTRL								
	OBS	0	0	0	0	0	1	3	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.93	2.32	0.00
BONES & JOINTS	STUDY								
	OBS	0	0	0	0	1	0	1	0
	SMR	0.00	0.00	0.00	0.00	4.95	0.00	3.26	0.00
	CNTRL								
	OBS	2	1	0	2	1	0	0	0
	SMR	5.55	1.40	0.00	2.27	0.91	0.00	0.00	0.00
BLADDER	STUDY								
	OBS	1	1	0	0	0	1	0	0
	SMR	5.51	3.01	0.00	0.00	0.00	0.91	0.00	0.00
	CNTRL								
	OBS	0	2	0	2	5	11	4	4
	SMR	0.00	1.12	0.00	0.78	1.49	2.03	0.59	1.27
BRAIN & OTHER C.N.S.	STUDY								
	OBS	0	1	1	1	1	3	3	0
	SMR	0.00	1.80	1.34	0.93	0.58	0.90	0.69	0.00
	CNTRL								
	OBS	2	2	2	6	11	15	20	15
	SMR	1.42	0.61	0.43	0.97	1.15	0.90	0.92	1.43
BENIGN & UNSPEC NEOPLASMS	STUDY								
	OBS	0	0	0	0	1	0	2	0
	SMR	0.00	0.00	0.00	0.00	2.04	0.00	2.87	0.00
	CNTRL								
	OBS	0	0	0	0	3	4	0	0
	SMR	0.00	0.00	0.00	0.00	1.13	0.72	0.00	0.00

Age at death: 60 plus

Crystal River 3 (1977)  
Citrus, FL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY OBS	0		1	3	8	8	10	27	11
SMR	0.00		0.50	0.89	1.17	0.70	0.47	0.81	0.61
CNTRL OBS	2		7	18	37	48	114	147	88
SMR	0.44		0.50	0.72	0.73	0.60	0.94	0.76	0.88
<b>ALL CANCER, EXCL LEUK</b>									
STUDY OBS	13		46	77	117	235	473	795	429
SMR	0.55		0.80	0.88	0.69	0.80	0.83	0.87	0.86
CNTRL OBS	104		263	470	909	1628	2650	4242	2289
SMR	0.75		0.68	0.74	0.73	0.80	0.82	0.81	0.85
<b>HODGKIN'S DISEASE</b>									
STUDY OBS	0		0	1	1	2	0	0	0
SMR	0.00		0.00	1.75	0.92	1.17	0.00	0.00	0.00
CNTRL OBS	1		0	0	5	10	11	11	7
SMR	1.14		0.00	0.00	0.63	0.85	0.78	0.67	0.91
<b>OTHER LYMPHOMA</b>									
STUDY OBS	0		3	1	3	3	10	20	9
SMR	0.00		2.69	0.49	0.67	0.36	0.60	0.70	0.56
CNTRL OBS	1		5	8	18	41	69	111	68
SMR	0.43		0.65	0.54	0.54	0.71	0.73	0.68	0.77
<b>MULTIPLE MYELOMA</b>									
STUDY OBS	0		0	0	2	6	14	7	10
SMR	0.00		0.00	0.00	0.88	1.36	1.52	0.45	1.18
CNTRL OBS	0		1	8	5	20	28	60	41
SMR	0.00		0.28	1.10	0.31	0.66	0.54	0.68	0.89
<b>DIGESTIVE ORGANS</b>									
STUDY OBS	3		15	32	39	67	128	208	132
SMR	0.28		0.61	0.92	0.63	0.69	0.73	0.79	0.95
CNTRL OBS	40		105	190	309	543	876	1278	625
SMR	0.64		0.63	0.75	0.68	0.80	0.88	0.85	0.82
<b>STOMACH</b>									
STUDY OBS	0		8	7	7	12	21	23	16
SMR	0.00		1.17	0.85	0.58	0.75	0.85	0.69	0.95
CNTRL OBS	11		26	39	53	91	133	166	67
SMR	0.59		0.58	0.67	0.60	0.82	0.95	0.88	0.73

Age at death: 60 plus

Crystal River 3 (1977)  
Citrus, FL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY								
	OBS	3	2	14	19	32	61	99	59
	SMR	0.75	0.20	0.95	0.68	0.69	0.71	0.76	0.86
	CNTRL	19	43	90	158	271	474	665	305
LIVER (PRIMARY)	STUDY								
	OBS	0	0	5	4	6	1	13	8
	SMR	0.00	0.00	1.27	0.66	0.96	0.12	1.00	1.14
	CNTRL	4	14	22	35	28	50	55	37
TRACHEA, BRONCHUS, LUNG	STUDY								
	OBS	2	11	19	36	70	135	256	126
	SMR	0.88	1.61	1.41	1.12	1.05	0.92	1.01	0.89
	CNTRL	6	28	66	209	410	701	1259	744
BREAST (FEMALE)	STUDY								
	OBS	1	2	8	5	15	20	57	27
	SMR	0.72	0.58	1.52	0.47	0.80	0.53	0.94	0.81
	CNTRL	8	12	30	42	101	144	272	156
THYROID	STUDY								
	OBS	0	0	0	1	1	2	1	0
	SMR	0.00	0.00	0.00	1.67	1.10	1.28	0.46	0.00
	CNTRL	0	3	1	4	10	7	6	4
BONES & JOINTS	STUDY								
	OBS	0	0	0	0	1	0	3	0
	SMR	0.00	0.00	0.00	0.00	0.80	0.00	1.54	0.00
	CNTRL	1	0	1	6	11	11	9	5
BLADDER	STUDY								
	OBS	0.87	0.00	0.28	1.02	1.27	0.98	0.81	1.14
	SMR								
	CNTRL	2	0	1	5	12	20	24	20
BRAIN & OTHER C.N.S.	STUDY								
	OBS	2.14	0.00	0.30	0.80	1.15	1.07	0.88	1.41
	SMR	3	11	22	33	60	109	136	69
	CNTRL	0.53	0.71	0.88	0.71	0.82	1.01	0.87	0.89
BENIGN & UNSPEC NEOPLASMS	STUDY								
	OBS	0	1	2	1	3	12	14	7
	SMR	0.00	2.05	2.18	0.48	0.62	1.06	0.75	0.70
	CNTRL	1	4	7	10	30	53	89	43
BENIGN & UNSPEC NEOPLASMS	STUDY								
	OBS	0.99	1.21	1.05	0.67	0.91	0.84	0.85	0.79
	SMR								
	CNTRL	0	0	0	0	1	2	1	0
BENIGN & UNSPEC NEOPLASMS	STUDY								
	OBS	0.00	0.00	0.00	0.00	0.43	0.34	0.20	0.00
	SMR	0	0	0	0	11	30	15	7
	CNTRL	0.00	0.00	0.00	0.00	0.70	0.90	0.53	0.82



Age at death: all

Crystal River 3 (1977)  
Citrus, FL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA	STUDY OBS	0	1	4	11	11	12	28	12
	SMR	0.00	0.31	0.82	1.26	0.79	0.47	0.71	0.57
	CNTRL OBS	3	11	24	47	60	133	171	96
	SMR	0.38	0.52	0.70	0.76	0.64	0.93	0.77	0.85
ALL CANCER, EXCL LEUK	STUDY OBS	27	59	104	148	276	575	932	496
	SMR	0.80	0.76	0.93	0.72	0.80	0.86	0.89	0.88
	CNTRL OBS	149	363	602	1091	1928	3113	4880	2613
	SMR	0.79	0.73	0.77	0.76	0.83	0.84	0.83	0.86
HODGKIN'S DISEASE	STUDY OBS	0	0	1	2	2	1	2	2
	SMR	0.00	0.00	0.95	1.15	0.79	0.27	0.49	1.03
	CNTRL OBS	2	1	2	10	18	15	24	9
	SMR	1.00	0.20	0.28	0.84	1.09	0.75	1.07	0.87
OTHER LYMPHOMA	STUDY OBS	0	3	1	4	4	15	24	11
	SMR	0.00	1.73	0.35	0.70	0.40	0.75	0.72	0.60
	CNTRL OBS	1	9	12	22	49	82	126	79
	SMR	0.26	0.80	0.60	0.55	0.72	0.74	0.67	0.79
MULTIPLE MYELOMA	STUDY OBS	1	0	0	2	6	15	11	10
	SMR	3.91	0.00	0.00	0.75	1.20	1.44	0.64	1.08
	CNTRL OBS	0	2	8	6	25	32	69	44
	SMR	0.00	0.43	0.90	0.32	0.75	0.55	0.72	0.88
DIGESTIVE ORGANS	STUDY OBS	6	18	38	52	74	153	227	149
	SMR	0.44	0.59	0.91	0.73	0.67	0.78	0.78	0.97
	CNTRL OBS	53	131	222	345	611	971	1415	684
	SMR	0.68	0.66	0.76	0.68	0.82	0.88	0.86	0.83
STOMACH	STUDY OBS	0	8	9	9	14	23	24	18
	SMR	0.00	0.97	0.94	0.66	0.78	0.84	0.65	0.97
	CNTRL OBS	14	31	48	62	104	141	185	74
	SMR	0.62	0.59	0.73	0.64	0.86	0.91	0.90	0.74

Age at death: all

Crystal River 3 (1977)  
Citrus, FL

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY	3	2	17	22	37	68	107	69
	OBS	0.58	0.17	0.97	0.69	0.71	0.71	0.75	0.92
	SMR	25	51	102	171	303	521	732	326
LIVER (PRIMARY)	STUDY	0.81	0.63	0.81	0.74	0.85	0.96	0.90	0.80
	OBS	1	1	5	8	6	4	14	9
	SMR	0.61	0.28	1.06	1.15	0.85	0.41	0.96	1.15
TRACHEA, BRONCHUS, LUNG	STUDY	5	19	25	39	34	58	63	40
	OBS	0.53	0.82	0.75	0.79	0.71	1.08	0.77	0.95
	SMR	3	14	26	40	88	170	306	146
BREAST (FEMALE)	STUDY	0.87	1.47	1.48	1.03	1.12	0.99	1.04	0.91
	OBS	12	42	92	246	483	850	1473	855
	SMR	0.62	0.69	0.77	0.92	0.94	0.91	0.91	1.00
THYROID	STUDY	3	3	13	8	20	26	78	35
	OBS	1.14	0.50	1.51	0.51	0.76	0.50	0.97	0.81
	SMR	12	28	48	64	144	200	346	195
BONES & JOINTS	STUDY	0.80	0.72	0.81	0.59	0.82	0.69	0.77	0.84
	OBS	0	0	0	1	1	3	1	0
	SMR	0.00	0.00	0.00	1.41	0.96	1.67	0.41	0.00
BLADDER	STUDY	0	0	0	0	2	0	5	0
	OBS	0.00	0.00	0.00	0.00	1.23	0.00	1.93	0.00
	SMR	3	2	2	8	12	13	9	7
BRAIN & OTHER C.N.S.	STUDY	1.69	0.50	0.40	1.06	1.11	0.90	0.62	1.22
	OBS	3	1	1	5	12	21	24	20
	SMR	2.67	0.39	0.27	0.74	1.08	1.06	0.83	1.35
BENIGN & UNSPEC NEOPLASMS	STUDY	0.45	0.75	0.81	0.71	0.85	1.06	0.85	0.90
	OBS	0	2	3	2	5	15	17	8
	SMR	0.00	1.45	1.45	0.55	0.70	0.96	0.70	0.63
	STUDY	4	8	12	19	43	74	112	63
	OBS	1.19	0.93	0.87	0.79	0.94	0.87	0.84	0.93
	SMR	0	0	0	0	3	2	3	0
	STUDY	0.00	0.00	0.00	0.00	1.01	0.27	0.52	0.00
	OBS	0	0	0	0	15	36	15	8
	SMR	0.00	0.00	0.00	0.00	0.78	0.88	0.46	0.83











Davis-Besse 1 (1977)  
Ottawa, OH

Age at death: 20 to 39

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA	STUDY OBS	1	0	1	0	0	3	0	0
	SMR	1.69	0.00	1.02	0.00	0.00	3.12	0.00	0.00
	CNTRL OBS	2	4	3	6	6	6	8	0
	SMR	0.76	0.90	0.68	1.41	1.43	1.31	1.67	0.00
ALL CANCER, EXCL LEUK	STUDY OBS	6	6	4	13	12	7	10	1
	SMR	1.13	0.67	0.45	1.58	1.60	0.94	1.29	0.32
	CNTRL OBS	25	44	47	39	44	49	43	7
	SMR	1.08	1.12	1.19	1.04	1.27	1.42	1.22	0.48
HODGKIN'S DISEASE	STUDY OBS	0	0	1	2	3	0	0	0
	SMR	0.00	0.00	1.21	2.46	4.13	0.00	0.00	0.00
	CNTRL OBS	3	5	8	3	9	6	1	0
	SMR	1.46	1.41	2.14	0.80	2.63	2.07	0.43	0.00
OTHER LYMPHOMA	STUDY OBS	0	0	0	0	0	1	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	2.07	0.00	0.00
	CNTRL OBS	0	3	1	2	2	4	5	1
	SMR	0.00	1.44	0.45	0.90	0.93	1.76	2.03	0.95
MULTIPLE MYELOMA	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS	STUDY OBS	2	2	1	0	0	2	1	0
	SMR	1.97	1.22	0.67	0.00	0.00	1.88	0.92	0.00
	CNTRL OBS	3	10	8	9	5	6	6	1
	SMR	0.68	1.40	1.21	1.56	0.99	1.22	1.23	0.49
STOMACH	STUDY OBS	1	0	1	0	0	0	0	0
	SMR	4.33	0.00	3.23	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	1	3	2	0	2	2	2	0
	SMR	1.00	1.91	1.46	0.00	2.30	2.54	2.59	0.00

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY OBS	0	0	0	0	0	2	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	3.76	0.00	0.00
	CNTRL OBS	2	6	3	6	2	3	1	1
	SMR	0.90	1.66	0.91	2.10	0.80	1.23	0.42	1.02
LIVER (PRIMARY)	STUDY OBS	0	1	0	0	0	0	0	0
	SMR	0.00	6.20	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	1	0	0	0	3	0
	SMR	0.00	0.00	1.57	0.00	0.00	0.00	5.90	0.00
TRACHEA, BRONCHUS, LUNG	STUDY OBS	0	0	0	1	0	0	2	1
	SMR	0.00	0.00	0.00	1.38	0.00	0.00	2.75	3.49
	CNTRL OBS	1	3	2	5	6	6	1	0
	SMR	0.79	1.22	0.67	1.55	1.84	1.84	0.31	0.00
BREAST (FEMALE)	STUDY OBS	1	1	0	2	4	1	1	0
	SMR	1.43	0.81	0.00	1.72	3.83	0.94	0.82	0.00
	CNTRL OBS	2	4	8	4	5	10	10	2
	SMR	0.66	0.75	1.44	0.77	1.04	2.06	1.86	0.84
THYROID	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	1	0	1	0	1	1	0	0
	SMR	2.04	0.00	1.45	0.00	1.54	1.32	0.00	0.00
BLADDER	STUDY OBS	0	0	0	2	0	0	0	0
	SMR	0.00	0.00	0.00	66.56	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	1	0	0	0	0
	SMR	0.00	0.00	0.00	7.46	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.	STUDY OBS	0	0	0	1	2	0	0	0
	SMR	0.00	0.00	0.00	1.39	2.85	0.00	0.00	0.00
	CNTRL OBS	4	3	2	3	4	1	6	0
	SMR	1.94	0.84	0.55	0.91	1.22	0.29	1.69	0.00
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	0	0	1	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	7.80	0.00
	CNTRL OBS	0	0	0	0	1	0	0	0
	SMR	0.00	0.00	0.00	0.00	1.23	0.00	0.00	0.00

Age at death: 40 to 59

Davis-Besse 1 (1977)  
Ottawa, OH

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	1	4	4	4	5	5	0	2
	SMR	0.76	1.75	1.68	1.61	1.98	1.98	0.00	1.97
CNTRL	OBS	11	9	9	4	11	14	14	8
	SMR	1.82	0.88	0.87	0.38	1.06	1.36	1.40	2.03
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	41	62	66	79	82	94	70	32
	SMR	1.20	1.04	1.04	1.12	1.05	1.15	0.85	0.98
CNTRL	OBS	125	252	264	285	327	339	329	105
	SMR	0.79	0.94	0.95	0.96	1.03	1.03	1.01	0.82
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	3	2	1	4	0	2	0	0
	SMR	5.93	2.19	1.03	3.93	0.00	2.85	0.00	0.00
CNTRL	OBS	0	1	5	2	6	5	6	1
	SMR	0.00	0.25	1.19	0.46	1.51	1.74	3.06	1.45
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	0	0	1	2	3	5	2	0
	SMR	0.00	0.00	0.50	0.85	1.17	1.94	0.76	0.00
CNTRL	OBS	5	9	8	11	12	7	9	2
	SMR	1.19	1.17	0.92	1.11	1.14	0.67	0.87	0.48
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	0	1	0	3	2	3	0	0
	SMR	0.00	1.62	0.00	3.95	2.36	3.12	0.00	0.00
CNTRL	OBS	1	4	1	4	4	5	3	0
	SMR	0.69	1.44	0.32	1.25	1.15	1.28	0.76	0.00
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	12	15	18	12	21	23	17	8
	SMR	1.10	0.84	1.03	0.67	1.15	1.28	0.98	1.18
CNTRL	OBS	36	70	77	64	63	72	62	21
	SMR	0.72	0.87	1.01	0.85	0.85	0.99	0.91	0.80
<b>STOMACH</b>									
STUDY	OBS	4	3	1	1	3	2	1	0
	SMR	1.51	0.75	0.30	0.34	1.12	0.83	0.45	0.00
CNTRL	OBS	7	12	16	13	10	8	9	1
	SMR	0.58	0.67	1.10	1.04	0.90	0.81	1.04	0.30

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM								
STUDY OBS	5	4	9	6	4	12	4	4
SMR	1.10	0.52	1.18	0.75	0.48	1.44	0.50	1.30
CNTRL OBS	19	36	37	32	35	29	30	13
SMR	0.90	1.04	1.11	0.95	1.04	0.87	0.96	1.09
LIVER (PRIMARY)								
STUDY OBS	2	2	0	1	3	1	1	0
SMR	1.49	0.95	0.00	0.58	2.43	1.06	1.07	0.00
CNTRL OBS	3	10	10	6	3	7	5	0
SMR	0.48	1.05	1.19	0.83	0.59	1.82	1.35	0.00
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	7	12	10	21	12	24	16	11
SMR	1.46	1.27	0.85	1.38	0.62	1.04	0.62	1.05
CNTRL OBS	16	43	33	62	98	99	114	33
SMR	0.74	1.03	0.65	0.97	1.23	1.06	1.14	0.82
BREAST (FEMALE)								
STUDY OBS	5	8	13	7	16	7	8	2
SMR	1.12	0.99	1.46	0.69	1.42	0.60	0.71	0.45
CNTRL OBS	13	30	36	47	39	36	46	12
SMR	0.61	0.81	0.92	1.10	0.85	0.77	1.02	0.68
THYROID								
STUDY OBS	0	0	0	0	2	0	0	0
SMR	0.00	0.00	0.00	0.00	10.18	0.00	0.00	0.00
CNTRL OBS	1	1	2	3	1	1	1	0
SMR	1.44	0.91	2.04	3.41	1.24	1.32	1.50	0.00
BONES & JOINTS								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	4	3	3	0	4	0	1	0
SMR	3.04	1.48	1.79	0.00	2.93	0.00	1.19	0.00
BLADDER								
STUDY OBS	1	2	2	0	2	2	4	1
SMR	1.46	1.85	2.01	0.00	2.00	2.06	4.50	2.98
CNTRL OBS	6	3	6	5	4	7	2	1
SMR	1.92	0.62	1.40	1.21	0.99	1.79	0.58	0.79
BRAIN & OTHER C.N.S.								
STUDY OBS	1	3	6	2	7	1	4	1
SMR	0.80	1.32	2.36	0.75	2.30	0.32	1.33	0.85
CNTRL OBS	7	11	13	10	11	15	16	6
SMR	1.22	1.08	1.18	0.89	0.88	1.18	1.36	1.32
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	2	0	0	0
SMR	0.00	0.00	0.00	0.00	2.68	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	3	5	1	1
SMR	0.00	0.00	0.00	0.00	0.98	1.20	0.51	2.75

Age at death: 60 plus

Davis-Besse 1 (1977)  
Ottawa, OH

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	0	4	5	5	8	10	13	5
	SMR	0.00	0.66	0.70	0.62	0.93	1.06	1.23	1.08
CNTRL	OBS	13	34	44	33	36	50	51	18
	SMR	0.82	1.13	1.27	0.87	0.93	1.27	1.18	0.96
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	116	176	173	176	237	263	272	131
	SMR	1.20	1.04	0.96	0.90	1.11	1.08	0.96	1.04
CNTRL	OBS	438	836	832	830	833	929	1110	494
	SMR	0.90	0.99	0.95	0.91	0.89	0.92	0.98	1.01
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	0	1	1	2	2	0	0	0
	SMR	0.00	0.91	0.85	1.62	1.61	0.00	0.00	0.00
CNTRL	OBS	1	4	4	4	6	5	4	2
	SMR	0.33	0.74	0.72	0.71	1.12	1.14	1.12	1.44
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	0	5	2	3	9	5	11	3
	SMR	0.00	1.50	0.48	0.58	1.47	0.69	1.22	0.72
CNTRL	OBS	7	13	15	19	21	33	35	23
	SMR	0.85	0.80	0.74	0.80	0.78	1.11	0.96	1.41
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	0	2	1	5	4	5	5	3
	SMR	0.00	1.38	0.51	2.01	1.28	1.27	1.04	1.39
CNTRL	OBS	1	8	7	5	6	13	19	4
	SMR	0.32	1.13	0.74	0.44	0.44	0.80	0.98	0.47
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	56	78	74	72	85	78	81	37
	SMR	1.29	1.06	1.00	0.97	1.15	1.01	0.98	1.03
CNTRL	OBS	206	355	323	323	302	314	334	130
	SMR	0.94	0.97	0.89	0.93	0.91	0.96	0.98	0.91
<b>STOMACH</b>									
STUDY	OBS	18	23	17	14	15	13	10	3
	SMR	1.44	1.18	1.02	0.99	1.25	1.19	0.97	0.70
CNTRL	OBS	55	81	57	63	53	43	26	14
	SMR	0.87	0.84	0.70	0.95	0.98	0.94	0.61	0.81

Age at death: 60 plus

Davis-Besse 1 (1977)  
Ottawa, OH

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY OBS	20	28	33	31	45	34	42	17
	SMR	1.14	0.91	1.01	0.91	1.25	0.87	1.01	0.95
	CNTRL OBS	92	162	156	162	146	170	183	64
	SMR	1.03	1.04	0.97	1.00	0.90	1.03	1.06	0.89
LIVER (PRIMARY)	STUDY OBS	10	9	8	10	4	2	2	1
	SMR	1.90	1.03	0.94	1.37	0.83	0.55	0.50	0.57
	CNTRL OBS	33	54	49	35	26	16	18	4
	SMR	1.23	1.23	1.17	1.01	1.21	1.06	1.12	0.58
TRACHEA, BRONCHUS, LUNG	STUDY OBS	8	12	17	28	42	64	60	39
	SMR	0.90	0.65	0.69	0.85	0.97	1.11	0.81	1.14
	CNTRL OBS	22	82	97	117	148	191	269	130
	SMR	0.51	0.93	0.84	0.80	0.82	0.85	0.95	1.02
BREAST (FEMALE)	STUDY OBS	10	9	17	15	17	17	33	3
	SMR	1.49	0.75	1.31	1.06	1.08	0.93	1.55	0.32
	CNTRL OBS	35	56	70	72	65	64	88	40
	SMR	0.98	0.89	1.06	1.05	0.89	0.81	0.99	1.05
THYROID	STUDY OBS	0	1	0	1	0	1	1	0
	SMR	0.00	1.29	0.00	1.34	0.00	1.35	1.38	0.00
	CNTRL OBS	3	2	4	3	5	2	3	1
	SMR	1.33	0.51	1.03	0.84	1.49	0.62	0.99	0.82
BONES & JOINTS	STUDY OBS	0	1	0	0	3	0	1	0
	SMR	0.00	0.82	0.00	0.00	3.23	0.00	1.60	0.00
	CNTRL OBS	5	6	4	3	5	1	2	1
	SMR	1.27	0.99	0.80	0.69	1.21	0.28	0.79	1.23
BLADDER	STUDY OBS	6	8	10	9	16	15	7	5
	SMR	1.53	1.17	1.41	1.23	2.08	1.83	0.83	1.42
	CNTRL OBS	21	30	37	36	33	45	43	18
	SMR	1.07	0.89	1.07	1.05	0.97	1.31	1.24	1.26
BRAIN & OTHER C.N.S.	STUDY OBS	2	0	3	2	4	3	3	4
	SMR	2.74	0.00	1.67	0.89	1.20	0.64	0.52	1.57
	CNTRL OBS	2	9	5	4	7	20	18	7
	SMR	0.56	1.32	0.60	0.40	0.50	1.08	0.82	0.73
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	2	6	1	0
	SMR	0.00	0.00	0.00	0.00	1.27	2.28	0.61	0.00
	CNTRL OBS	0	0	0	0	5	9	7	1
	SMR	0.00	0.00	0.00	0.00	0.72	0.82	1.04	0.60



Davis-Besse 1 (1977)  
Ottawa, OH

Age at death: all

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	3	10	12	15	15	22	14	7
	SMR	0.48	0.86	0.92	1.08	1.07	1.52	0.92	1.09
CNTRL	OBS	30	60	65	55	64	77	80	27
	SMR	1.00	1.08	1.06	0.86	1.02	1.24	1.26	1.02
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	167	250	247	273	334	368	354	164
	SMR	1.22	1.04	0.96	0.99	1.11	1.10	0.94	1.01
CNTRL	OBS	597	1150	1164	1171	1215	1330	1494	612
	SMR	0.88	0.99	0.96	0.93	0.93	0.96	1.00	0.96
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	3	3	3	8	5	2	0	0
	SMR	1.80	1.01	0.96	2.47	1.63	0.80	0.00	0.00
CNTRL	OBS	4	13	18	10	21	16	11	3
	SMR	0.51	0.95	1.25	0.69	1.56	1.50	1.34	0.98
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	0	6	3	6	12	12	14	3
	SMR	0.00	1.01	0.42	0.71	1.26	1.13	1.13	0.54
CNTRL	OBS	13	28	29	36	36	46	52	29
	SMR	0.89	1.00	0.87	0.95	0.87	1.05	1.04	1.32
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	0	3	1	8	6	8	5	3
	SMR	0.00	1.42	0.37	2.44	1.50	1.62	0.86	1.17
CNTRL	OBS	2	12	8	9	10	18	22	4
	SMR	0.42	1.19	0.63	0.61	0.58	0.89	0.94	0.39
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	70	96	93	84	106	103	100	45
	SMR	1.26	1.03	1.00	0.90	1.14	1.07	0.99	1.05
CNTRL	OBS	245	436	409	397	371	392	402	152
	SMR	0.89	0.96	0.92	0.92	0.90	0.97	0.97	0.88
<b>STOMACH</b>									
STUDY	OBS	23	26	19	15	18	15	11	3
	SMR	1.49	1.09	0.93	0.87	1.21	1.11	0.86	0.58
CNTRL	OBS	63	96	75	76	65	53	37	15
	SMR	0.83	0.82	0.77	0.95	0.99	0.94	0.71	0.72

Age at death: all  
Davis-Besse 1 (1977)  
Ottawa, OH

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
<b>COLON &amp; RECTUM</b>								
STUDY OBS	25	33	42	37	49	48	46	21
SMR	1.10	0.84	1.02	0.86	1.09	1.00	0.92	0.99
CNTRL OBS	113	205	196	200	183	202	214	78
SMR	1.00	1.06	0.99	1.01	0.92	1.01	1.04	0.92
<b>LIVER (PRIMARY)</b>								
STUDY OBS	12	12	8	11	7	3	4	1
SMR	1.78	1.09	0.75	1.19	1.13	0.63	0.79	0.45
CNTRL OBS	36	64	60	42	29	23	26	4
SMR	1.07	1.18	1.17	0.98	1.06	1.17	1.27	0.46
<b>TRACHEA, BRONCHUS, LUNG</b>								
STUDY OBS	15	25	27	50	54	88	78	51
SMR	1.07	0.88	0.73	1.02	0.85	1.08	0.77	1.13
CNTRL OBS	39	128	132	184	252	296	384	163
SMR	0.59	0.97	0.78	0.86	0.95	0.92	0.99	0.97
<b>BREAST (FEMALE)</b>								
STUDY OBS	16	18	30	24	37	25	42	5
SMR	1.35	0.84	1.29	0.94	1.32	0.81	1.24	0.35
CNTRL OBS	50	90	115	123	109	110	144	54
SMR	0.83	0.85	1.04	1.05	0.88	0.84	1.04	0.93
<b>THYROID</b>								
STUDY OBS	0	1	0	1	2	1	1	0
SMR	0.00	0.95	0.00	1.01	2.09	1.05	1.09	0.00
CNTRL OBS	4	3	7	6	6	3	4	1
SMR	1.32	0.58	1.39	1.31	1.40	0.74	1.05	0.66
<b>BONES &amp; JOINTS</b>								
STUDY OBS	1	1	0	2	4	1	1	0
SMR	0.75	0.47	0.00	1.14	2.32	0.63	0.82	0.00
CNTRL OBS	12	11	9	4	11	5	4	1
SMR	1.86	1.08	1.02	0.50	1.42	0.72	0.77	0.58
<b>BLADDER</b>								
STUDY OBS	7	10	12	11	18	17	11	6
SMR	1.51	1.25	1.47	1.32	2.07	1.85	1.18	1.55
CNTRL OBS	27	33	43	42	37	52	45	19
SMR	1.18	0.85	1.10	1.09	0.96	1.36	1.18	1.21
<b>BRAIN &amp; OTHER C.N.S.</b>								
STUDY OBS	4	5	12	5	13	4	7	5
SMR	1.36	0.91	1.91	0.75	1.64	0.43	0.70	1.18
CNTRL OBS	14	29	28	22	25	38	42	15
SMR	1.02	1.15	0.99	0.75	0.74	1.00	1.05	0.90
<b>BENIGN &amp; UNSPEC NEOPLASMS</b>								
STUDY OBS	0	0	0	0	4	6	2	0
SMR	0.00	0.00	0.00	0.00	1.49	1.44	0.85	0.00
CNTRL OBS	0	0	0	0	9	14	8	2
SMR	0.00	0.00	0.00	0.00	0.77	0.79	0.81	0.90



		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	1	0
LIVER (PRIMARY)	SMR	0.00	0.00	0.00	0.00	0.00	0.00	31.56	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	1	0	0	0	0	0	0
	SMR	0.00	4.31	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
TRACHEA, BRONCHUS, LUNG	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
THYROID	SMR	0.00	0.00	0.00	0.00	0.00	0.00	55.62	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
BLADDER	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	0	0	0	0
BENIGN & UNSPEC C.N.S.	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	STUDY OBS	0	0	4	0	2	1	1	1
	SMR	0.00	0.00	3.08	0.00	2.23	1.26	1.45	3.68
BENIGN & UNSPEC NEOPLASMS	CNTRL OBS	3	3	4	6	5	2	2	1
	SMR	1.61	0.90	1.10	1.82	1.81	0.90	1.06	1.35
	STUDY OBS	0	0	0	0	1	0	0	0
BENIGN & UNSPEC NEOPLASMS	SMR	0.00	0.00	0.00	0.00	4.28	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	1	1	0	0
	SMR	0.00	0.00	0.00	0.00	1.39	1.04	0.00	0.00

Age at death: 10 to 19

Farley 1,2 (1977)  
Early, GA ; Houston, AL

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	1	0	3	0	4	5	1	1
	SMR	1.36	0.00	2.21	0.00	2.83	3.47	0.78	2.09
CNTRL	OBS	2	1	3	2	5	2	3	2
	SMR	1.10	0.29	0.77	0.46	1.07	0.44	0.73	1.31
ALL CANCER, EXCL LEUK									
STUDY	OBS	1	3	3	1	2	6	2	1
	SMR	0.64	1.12	1.09	0.35	0.72	2.19	0.83	1.12
CNTRL	OBS	3	3	10	7	17	8	7	0
	SMR	0.74	0.41	1.23	0.78	1.84	0.90	0.89	0.00
HODGKIN'S DISEASE									
STUDY	OBS	0	0	1	1	1	0	0	0
	SMR	0.00	0.00	3.43	3.35	4.21	0.00	0.00	0.00
CNTRL	OBS	0	0	0	2	2	0	0	0
	SMR	0.00	0.00	0.00	2.06	2.46	0.00	0.00	0.00
OTHER LYMPHOMA									
STUDY	OBS	0	1	0	0	1	2	0	0
	SMR	0.00	2.81	0.00	0.00	2.48	5.28	0.00	0.00
CNTRL	OBS	0	0	1	0	3	2	1	0
	SMR	0.00	0.00	0.88	0.00	2.24	1.63	0.94	0.00
MULTIPLE MYELOMA									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS									
STUDY	OBS	0	0	0	0	0	0	1	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	7.19	0.00
CNTRL	OBS	0	0	1	1	3	1	0	0
	SMR	0.00	0.00	1.93	1.98	6.12	1.99	0.00	0.00
STOMACH									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	1	0	0	1	0	0
	SMR	0.00	0.00	22.14	0.00	0.00	32.26	0.00	0.00





Age at death: 20 to 39

Farley 1,2 (1977)  
Early, GA ; Houston, AL

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	2	1	4	0	0	1	2	1
	SMR	1.67	0.53	2.34	0.00	0.00	0.46	0.83	0.97
CNTRL	OBS	2	3	6	2	5	7	7	2
	SMR	0.65	0.58	1.17	0.36	0.81	1.01	0.90	0.60
ALL CANCER, EXCL LEUK									
STUDY	OBS	12	12	26	9	15	19	13	7
	SMR	0.95	0.63	1.52	0.55	0.94	1.08	0.69	0.84
CNTRL	OBS	36	55	46	37	52	56	53	26
	SMR	1.16	1.10	0.95	0.74	1.02	1.07	0.93	1.02
HODGKIN'S DISEASE									
STUDY	OBS	1	1	0	0	1	0	0	0
	SMR	1.15	0.73	0.00	0.00	0.75	0.00	0.00	0.00
CNTRL	OBS	2	4	1	2	2	3	4	0
	SMR	0.90	1.06	0.25	0.44	0.43	0.75	1.16	0.00
OTHER LYMPHOMA									
STUDY	OBS	0	1	1	0	1	3	1	0
	SMR	0.00	1.13	1.18	0.00	1.11	2.80	0.81	0.00
CNTRL	OBS	1	1	1	0	6	5	3	4
	SMR	0.68	0.41	0.40	0.00	1.96	1.51	0.77	2.25
MULTIPLE MYELOMA									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	1	0	0	0	0	0
	SMR	0.00	0.00	4.14	0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS									
STUDY	OBS	3	1	2	2	2	3	5	2
	SMR	1.20	0.27	0.65	0.72	0.78	1.07	1.68	1.53
CNTRL	OBS	3	9	4	7	10	11	8	2
	SMR	0.49	0.95	0.46	0.84	1.24	1.34	0.89	0.50
STOMACH									
STUDY	OBS	2	0	0	0	0	0	0	2
	SMR	3.18	0.00	0.00	0.00	0.00	0.00	0.00	8.62
CNTRL	OBS	0	6	0	1	2	3	0	0
	SMR	0.00	2.61	0.00	0.58	1.31	2.03	0.00	0.00

Age at death: 20 to 39

Farley 1,2 (1977)  
Early, GA ; Houston, AL

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY OBS	1	1	2	2	1	1	2	0
	SMR	0.88	0.60	1.44	1.59	0.84	0.76	1.45	0.00
	CNTRL OBS	2	1	2	6	4	6	3	2
	SMR	0.73	0.23	0.52	1.59	1.07	1.56	0.73	1.11
LIVER (PRIMARY)	STUDY OBS	0	0	0	0	1	1	1	0
	SMR	0.00	0.00	0.00	0.00	3.71	3.36	2.78	0.00
	CNTRL OBS	0	1	2	0	0	2	3	0
	SMR	0.00	0.88	2.05	0.00	0.00	2.14	2.60	0.00
TRACHEA, BRONCHUS, LUNG	STUDY OBS	0	1	0	1	0	2	1	2
	SMR	0.00	0.87	0.00	0.68	0.00	1.14	0.55	2.54
	CNTRL OBS	3	5	4	4	3	4	6	2
	SMR	1.86	1.70	1.14	0.92	0.62	0.80	1.15	0.85
BREAST (FEMALE)	STUDY OBS	2	2	8	0	4	1	3	1
	SMR	1.18	0.76	3.27	0.00	1.72	0.38	0.97	0.70
	CNTRL OBS	4	9	7	1	13	10	6	3
	SMR	1.00	1.38	1.07	0.15	1.88	1.36	0.68	0.72
THYROID	STUDY OBS	1	0	0	0	0	0	0	0
	SMR	22.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	1	0	0	0	0	0	1	0
	SMR	9.20	0.00	0.00	0.00	0.00	0.00	7.37	0.00
BONES & JOINTS	STUDY OBS	0	0	0	2	0	2	0	0
	SMR	0.00	0.00	0.00	7.85	0.00	5.79	0.00	0.00
	CNTRL OBS	2	0	2	1	1	3	0	0
	SMR	3.08	0.00	2.18	1.06	0.93	2.48	0.00	0.00
BLADDER	STUDY OBS	0	0	0	0	0	0	0	1
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.50
	CNTRL OBS	1	0	0	0	0	0	0	0
	SMR	4.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.	STUDY OBS	0	0	3	2	1	0	1	0
	SMR	0.00	0.00	2.32	1.63	0.75	0.00	0.60	0.00
	CNTRL OBS	5	1	5	6	3	4	12	3
	SMR	2.35	0.28	1.34	1.56	0.68	0.82	2.35	1.35
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	1	0	0	0
	SMR	0.00	0.00	0.00	0.00	2.43	0.00	0.00	0.00
	CNTRL OBS	0	0	0	0	2	1	2	0
	SMR	0.00	0.00	0.00	0.00	1.46	0.50	1.92	0.00

Age at death: 40 to 59

Farley 1,2 (1977)  
Early, GA ; Houston, AL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA	STUDY OBS	3	1	3	2	3	3	7	1
	SMR	1.34	0.25	0.71	0.46	0.69	0.64	1.42	0.49
	CNTRL OBS	3	11	9	16	13	14	18	2
	SMR	0.57	1.15	0.87	1.42	1.10	1.10	1.32	0.36
ALL CANCER, EXCL LEUK	STUDY OBS	48	91	108	125	125	118	153	55
	SMR	0.71	0.76	0.84	0.91	0.85	0.73	0.90	0.79
	CNTRL OBS	133	269	281	346	363	399	456	225
	SMR	0.81	0.92	0.88	0.97	0.91	0.91	0.98	1.18
HODGKIN'S DISEASE	STUDY OBS	1	1	2	3	2	3	0	1
	SMR	1.17	0.65	1.22	1.75	1.26	2.38	0.00	2.87
	CNTRL OBS	3	2	3	5	4	4	2	0
	SMR	1.51	0.55	0.75	1.13	0.92	1.16	0.77	0.00
OTHER LYMPHOMA	STUDY OBS	0	1	2	7	2	2	6	1
	SMR	0.00	0.35	0.59	1.80	0.48	0.45	1.26	0.50
	CNTRL OBS	1	3	5	5	20	5	16	10
	SMR	0.29	0.44	0.61	0.50	1.77	0.41	1.22	1.81
MULTIPLE MYELOMA	STUDY OBS	2	2	0	1	2	1	1	1
	SMR	3.13	1.46	0.00	0.57	1.05	0.45	0.42	1.02
	CNTRL OBS	0	3	1	4	4	4	8	5
	SMR	0.00	0.88	0.23	0.86	0.78	0.67	1.23	1.86
DIGESTIVE ORGANS	STUDY OBS	15	22	39	23	29	19	29	8
	SMR	0.69	0.59	1.05	0.62	0.80	0.51	0.77	0.52
	CNTRL OBS	41	75	73	78	78	66	93	45
	SMR	0.76	0.81	0.79	0.81	0.79	0.65	0.90	1.08
STOMACH	STUDY OBS	4	8	15	3	6	0	2	1
	SMR	0.65	0.84	1.84	0.43	1.00	0.00	0.39	0.49
	CNTRL OBS	17	18	25	22	17	11	10	5
	SMR	1.08	0.74	1.20	1.20	1.04	0.73	0.71	0.89

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM									
STUDY	OBS	5	6	9	7	4	6	6	1
SMR		0.63	0.43	0.64	0.49	0.27	0.39	0.39	0.16
CNTRL	OBS	10	27	16	28	20	23	38	23
SMR		0.52	0.82	0.47	0.76	0.51	0.55	0.89	1.35
LIVER (PRIMARY)									
STUDY	OBS	2	4	5	6	2	4	5	0
SMR		0.71	0.87	1.16	1.57	0.72	1.79	2.17	0.00
CNTRL	OBS	5	9	11	10	11	4	9	3
SMR		0.72	0.79	1.02	1.01	1.47	0.65	1.41	1.11
TRACHEA, BRONCHUS, LUNG									
STUDY	OBS	4	15	12	22	26	51	54	22
SMR		0.49	0.90	0.55	0.78	0.72	1.12	1.05	1.01
CNTRL	OBS	13	26	44	86	92	119	131	82
SMR		0.67	0.65	0.83	1.18	0.94	0.96	0.93	1.38
BREAST (FEMALE)									
STUDY	OBS	3	14	10	16	11	7	14	3
SMR		0.36	0.92	0.59	0.86	0.55	0.32	0.62	0.33
CNTRL	OBS	12	30	31	34	43	51	54	25
SMR		0.61	0.82	0.75	0.71	0.81	0.88	0.89	1.00
THYROID									
STUDY	OBS	0	0	1	1	0	0	0	0
SMR		0.00	0.00	2.24	2.37	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	2	0	1	0	0	0
SMR		0.00	0.00	1.83	0.00	1.00	0.00	0.00	0.00
BONES & JOINTS									
STUDY	OBS	0	0	1	1	0	0	0	0
SMR		0.00	0.00	1.29	1.51	0.00	0.00	0.00	0.00
CNTRL	OBS	1	3	1	1	3	2	3	0
SMR		0.74	1.38	0.52	0.59	1.77	1.22	2.46	0.00
BLADDER									
STUDY	OBS	0	2	1	2	2	1	3	0
SMR		0.00	0.88	0.46	0.97	1.03	0.53	1.76	0.00
CNTRL	OBS	5	5	7	4	6	3	2	3
SMR		1.45	0.88	1.28	0.74	1.14	0.59	0.43	1.68
BRAIN & OTHER C.N.S.									
STUDY	OBS	1	3	2	2	1	6	9	0
SMR		0.54	0.86	0.50	0.48	0.21	1.12	1.69	0.00
CNTRL	OBS	2	12	11	15	16	17	12	7
SMR		0.48	1.50	1.16	1.42	1.23	1.16	0.82	1.19
BENIGN & UNSPEC NEOPLASMS									
STUDY	OBS	0	0	0	0	2	2	2	0
SMR		0.00	0.00	0.00	0.00	1.36	0.94	1.87	0.00
CNTRL	OBS	0	0	0	0	6	7	6	0
SMR		0.00	0.00	0.00	0.00	1.48	1.21	2.03	0.00

Age at death: 60 plus

Farley 1,2 (1977)  
Early, GA ; Houston, AL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA	STUDY OBS	1	6	7	12	18	17	13	6
	SMR	0.28	0.82	0.76	1.07	1.38	1.11	0.69	0.71
	CNTRL OBS	3	10	20	15	24	38	56	18
	SMR	0.37	0.59	0.92	0.55	0.75	1.00	1.21	0.87
ALL CANCER, EXCL LEUK	STUDY OBS	82	152	191	232	304	342	432	212
	SMR	0.66	0.66	0.72	0.75	0.84	0.77	0.79	0.86
	CNTRL OBS	253	399	533	615	783	891	1222	573
	SMR	0.86	0.71	0.81	0.80	0.87	0.81	0.90	0.94
HODGKIN'S DISEASE	STUDY OBS	0	2	2	3	2	1	1	3
	SMR	0.00	1.46	1.29	1.72	1.08	0.58	0.64	4.77
	CNTRL OBS	0	2	5	4	2	2	5	3
	SMR	0.00	0.63	1.37	0.96	0.45	0.48	1.32	1.96
OTHER LYMPHOMA	STUDY OBS	0	2	1	3	10	15	13	2
	SMR	0.00	0.48	0.18	0.41	1.10	1.30	0.85	0.28
	CNTRL OBS	6	8	9	12	13	18	22	20
	SMR	1.41	0.84	0.70	0.69	0.59	0.64	0.59	1.15
MULTIPLE MYELOMA	STUDY OBS	1	1	2	5	5	8	7	2
	SMR	1.14	0.46	0.63	1.16	0.84	0.97	0.65	0.41
	CNTRL OBS	4	1	7	5	12	14	26	9
	SMR	1.91	0.19	0.88	0.45	0.79	0.67	0.95	0.73
DIGESTIVE ORGANS	STUDY OBS	32	61	62	72	99	103	100	54
	SMR	0.58	0.61	0.58	0.62	0.79	0.72	0.61	0.74
	CNTRL OBS	87	154	190	203	215	264	335	130
	SMR	0.66	0.64	0.72	0.69	0.68	0.74	0.81	0.72
STOMACH	STUDY OBS	14	21	12	18	20	15	10	6
	SMR	0.81	0.74	0.45	0.73	0.88	0.67	0.43	0.62
	CNTRL OBS	26	31	42	42	33	40	50	14
	SMR	0.61	0.44	0.61	0.65	0.56	0.70	0.85	0.57

Age at death: 60 plus

Farley 1,2 (1977)  
Early, GA ; Houston, AL

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY OBS	11	21	27	32	47	43	51	17
	SMR	0.53	0.54	0.62	0.64	0.82	0.64	0.65	0.49
	CNTRL OBS	28	63	67	72	100	120	143	66
	SMR	0.58	0.69	0.63	0.58	0.70	0.71	0.73	0.78
LIVER (PRIMARY)	STUDY OBS	1	6	10	4	4	5	5	2
	SMR	0.15	0.51	0.82	0.34	0.47	0.68	0.58	0.52
	CNTRL OBS	16	18	26	24	15	25	20	3
	SMR	1.00	0.63	0.86	0.82	0.69	1.34	0.91	0.31
TRACHEA, BRONCHUS, LUNG	STUDY OBS	4	9	24	34	54	77	136	68
	SMR	0.36	0.37	0.69	0.69	0.78	0.79	1.00	1.08
	CNTRL OBS	21	23	57	98	178	239	318	168
	SMR	0.83	0.40	0.68	0.82	1.06	1.00	0.95	1.08
BREAST (FEMALE)	STUDY OBS	6	17	9	15	19	20	33	7
	SMR	0.69	1.04	0.48	0.67	0.70	0.59	0.80	0.38
	CNTRL OBS	20	29	29	31	57	54	77	35
	SMR	0.97	0.73	0.63	0.55	0.83	0.65	0.75	0.77
THYROID	STUDY OBS	0	0	1	0	1	1	0	1
	SMR	0.00	0.00	0.89	0.00	0.80	0.74	0.00	1.70
	CNTRL OBS	0	3	1	3	2	2	3	2
	SMR	0.00	1.21	0.36	1.02	0.64	0.59	0.86	1.38
BONES & JOINTS	STUDY OBS	0	1	1	2	4	3	0	0
	SMR	0.00	0.62	0.69	1.39	2.63	1.97	0.00	0.00
	CNTRL OBS	2	4	7	2	3	5	1	0
	SMR	0.87	1.04	1.96	0.56	0.79	1.32	0.35	0.00
BLADDER	STUDY OBS	2	4	5	10	4	5	8	6
	SMR	0.43	0.47	0.53	0.95	0.34	0.37	0.53	0.92
	CNTRL OBS	8	20	16	28	24	29	29	16
	SMR	0.75	1.00	0.71	1.08	0.82	0.87	0.78	1.01
BRAIN & OTHER C.N.S.	STUDY OBS	1	2	2	3	1	5	10	7
	SMR	1.20	1.16	0.86	0.97	0.20	0.66	1.03	1.61
	CNTRL OBS	2	3	2	7	10	16	25	6
	SMR	1.11	0.78	0.38	0.97	0.84	0.88	1.06	0.56
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	2	3	5	2
	SMR	0.00	0.00	0.00	0.00	0.72	0.62	1.49	2.16
	CNTRL OBS	0	0	0	0	10	8	3	2
	SMR	0.00	0.00	0.00	0.00	1.43	0.65	0.35	0.86



Age at death: all

Farley 1,2 (1977)  
Early, GA ; Houston, AL

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
LEUKEMIA & ALEUKEMIA								
STUDY OBS	9	11	20	17	28	26	24	9
SMR	0.95	0.64	1.04	0.81	1.24	1.02	0.84	0.72
CNTRL OBS	13	34	42	37	50	62	87	26
SMR	0.59	0.81	0.86	0.67	0.82	0.93	1.16	0.80
ALL CANCER, EXCL LEUK								
STUDY OBS	143	258	335	368	449	487	601	276
SMR	0.69	0.69	0.81	0.79	0.85	0.78	0.81	0.85
CNTRL OBS	434	731	879	1014	1227	1360	1742	826
SMR	0.87	0.79	0.85	0.85	0.90	0.85	0.92	1.00
HODGKIN'S DISEASE								
STUDY OBS	2	4	5	7	6	4	1	4
SMR	0.75	0.86	1.03	1.36	1.19	0.90	0.27	2.73
CNTRL OBS	5	8	9	13	10	9	11	3
SMR	0.78	0.70	0.71	0.92	0.70	0.73	1.06	0.73
OTHER LYMPHOMA								
STUDY OBS	0	5	6	10	16	22	20	3
SMR	0.00	0.57	0.57	0.78	1.08	1.24	0.91	0.30
CNTRL OBS	9	12	17	18	44	32	42	34
SMR	0.87	0.58	0.65	0.55	1.14	0.71	0.75	1.35
MULTIPLE MYELOMA								
STUDY OBS	3	3	2	6	7	9	8	3
SMR	1.89	0.83	0.40	0.97	0.88	0.86	0.60	0.50
CNTRL OBS	4	4	9	9	16	18	34	14
SMR	1.04	0.44	0.72	0.57	0.78	0.66	1.00	0.92
DIGESTIVE ORGANS								
STUDY OBS	50	84	103	97	130	125	135	64
SMR	0.63	0.60	0.70	0.62	0.79	0.68	0.66	0.72
CNTRL OBS	131	239	269	289	306	342	437	177
SMR	0.68	0.70	0.73	0.72	0.72	0.73	0.83	0.78
STOMACH								
STUDY OBS	20	29	27	21	26	15	12	9
SMR	0.83	0.74	0.76	0.65	0.89	0.53	0.42	0.75
CNTRL OBS	43	55	68	65	52	55	60	19
SMR	0.72	0.56	0.74	0.77	0.68	0.75	0.81	0.62

Age at death: all

Farley 1,2 (1977)  
Early, GA ; Houston, AL

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-52	1953-57	1958-62	1963-67	1968-72	1973-77	1978-82	1983-84
COLON & RECTUM	STUDY OBS	17	28	38	41	52	50	59	18
	SMR	0.57	0.52	0.64	0.62	0.71	0.59	0.62	0.43
	CNTRL OBS	40	91	85	107	125	149	185	91
	SMR	0.57	0.71	0.59	0.65	0.67	0.70	0.76	0.88
LIVER (PRIMARY)	STUDY OBS	3	10	15	10	7	10	12	2
	SMR	0.30	0.59	0.88	0.63	0.60	0.99	1.05	0.39
	CNTRL OBS	21	29	39	34	28	31	32	6
	SMR	0.88	0.70	0.92	0.84	0.92	1.18	1.07	0.46
TRACHEA, BRONCHUS, LUNG	STUDY OBS	8	25	36	57	80	130	191	92
	SMR	0.40	0.59	0.62	0.72	0.75	0.90	1.01	1.08
	CNTRL OBS	38	54	106	188	273	362	456	252
	SMR	0.82	0.54	0.75	0.95	1.01	0.98	0.95	1.16
BREAST (FEMALE)	STUDY OBS	11	33	27	31	34	28	50	11
	SMR	0.59	0.96	0.71	0.71	0.69	0.48	0.75	0.38
	CNTRL OBS	36	68	67	66	113	115	138	63
	SMR	0.81	0.82	0.71	0.59	0.88	0.77	0.80	0.84
THYROID	STUDY OBS	1	0	2	1	1	1	0	1
	SMR	1.13	0.00	1.23	0.60	0.60	0.57	0.00	1.35
	CNTRL OBS	1	3	3	3	3	2	5	2
	SMR	0.47	0.78	0.74	0.71	0.69	0.44	1.09	1.07
BONES & JOINTS	STUDY OBS	0	1	2	5	4	5	0	1
	SMR	0.00	0.29	0.64	1.69	1.33	1.65	0.00	1.18
	CNTRL OBS	5	8	13	7	10	10	4	0
	SMR	0.96	0.92	1.60	0.86	1.18	1.19	0.58	0.00
BLADDER	STUDY OBS	2	6	6	12	6	6	11	7
	SMR	0.33	0.55	0.51	0.95	0.43	0.39	0.65	0.97
	CNTRL OBS	14	25	23	32	30	32	31	19
	SMR	0.97	0.96	0.81	1.01	0.86	0.82	0.74	1.07
BRAIN & OTHER C.N.S.	STUDY OBS	3	6	11	7	5	13	22	8
	SMR	0.64	0.71	1.15	0.68	0.39	0.81	1.22	1.04
	CNTRL OBS	13	19	24	34	36	43	53	17
	SMR	1.20	0.93	0.99	1.26	1.05	1.02	1.12	0.84
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	6	5	7	2
	SMR	0.00	0.00	0.00	0.00	1.18	0.61	1.39	1.58
	CNTRL OBS	0	0	0	0	20	17	11	2
	SMR	0.00	0.00	0.00	0.00	1.45	0.78	0.83	0.60



Age at death: under 10

North Anna 1,2 (1978)  
Caroline, VA ; Hanover, VA ; Louisa, VA

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)									
STUDY	OBS	1	0	0	0	0	0	0	0
	SMR	19.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BLADDER									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.									
STUDY	OBS	0	1	0	0	1	0	0	0
	SMR	0.00	1.05	0.00	0.00	1.28	0.00	0.00	0.00
CNTRL	OBS	0	0	1	1	2	1	0	0
	SMR	0.00	0.00	0.56	0.72	1.84	1.19	0.00	0.00
BENIGN & UNSPEC NEOPLASMS									
STUDY	OBS	0	0	0	0	0	1	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	3.87	0.00	0.00
CNTRL	OBS	0	0	0	0	0	2	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	5.81	0.00	0.00

[illegible]

Age at death: 10 to 19

North Anna 1,2 (1978)  
Caroline, VA ; Hanover, VA ; Louisa, VA

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	1	0	1	0	0	0
SMR	0.00	10.26	9.55	0.00	10.94	0.00	0.00	0.00
LIVER (PRIMARY)								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	1	1	0	0	0	0	0	0
SMR	18.68	13.85	0.00	0.00	0.00	0.00	0.00	0.00
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BREAST (FEMALE)								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS								
STUDY OBS	0	0	1	1	0	0	0	0
SMR	0.00	0.00	2.36	2.08	0.00	0.00	0.00	0.00
CNTRL OBS	1	1	1	0	1	2	1	0
SMR	2.07	1.49	1.49	0.00	1.42	3.08	1.85	0.00
BLADDER								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	0	0	0	0	0	1	1	0
SMR	0.00	0.00	0.00	0.00	0.00	1.39	1.68	0.00
CNTRL OBS	1	2	1	1	1	0	1	0
SMR	1.61	2.35	1.05	1.14	1.03	0.00	1.27	0.00
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	1	0	0	0
SMR	0.00	0.00	0.00	0.00	2.83	0.00	0.00	0.00



Age at death: 20 to 39

North Anna 1,2 (1978)  
Caroline, VA ; Hanover, VA ; Louisa, VA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
LEUKEMIA & ALEUKEMIA	STUDY OBS	0	1	3	1	5	2	2	3
	SMR	0.00	0.68	2.03	0.63	2.76	0.90	0.81	5.73
	CNTRL OBS	1	3	2	2	3	3	1	2
	SMR	0.49	1.17	0.83	0.85	1.23	1.04	0.30	2.80
ALL CANCER, EXCL LEUK	STUDY OBS	7	9	14	12	22	19	26	7
	SMR	0.61	0.63	0.97	0.79	1.36	1.04	1.29	1.64
	CNTRL OBS	26	24	19	22	23	30	26	4
	SMR	1.25	0.96	0.80	0.97	1.06	1.28	0.96	0.67
HODGKIN'S DISEASE	STUDY OBS	1	0	1	1	2	2	1	1
	SMR	1.21	0.00	0.88	0.80	1.55	1.67	0.93	4.57
	CNTRL OBS	1	2	1	2	3	2	1	0
	SMR	0.67	1.07	0.54	1.09	1.74	1.29	0.69	0.00
OTHER LYMPHOMA	STUDY OBS	1	0	1	1	1	0	1	0
	SMR	1.81	0.00	1.32	1.19	1.09	0.00	0.75	0.00
	CNTRL OBS	2	2	2	1	2	1	1	0
	SMR	2.00	1.67	1.62	0.81	1.63	0.70	0.56	0.00
MULTIPLE MYELOMA	STUDY OBS	0	0	0	0	1	0	0	0
	SMR	0.00	0.00	0.00	0.00	12.60	0.00	0.00	0.00
	CNTRL OBS	0	0	1	0	0	0	0	0
	SMR	0.00	0.00	7.99	0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS	STUDY OBS	1	6	4	3	5	3	1	1
	SMR	0.43	2.16	1.49	1.15	1.87	1.01	0.31	1.48
	CNTRL OBS	11	4	3	4	4	5	5	0
	SMR	2.60	0.82	0.68	1.02	1.11	1.31	1.16	0.00
STOMACH	STUDY OBS	1	3	1	0	0	1	0	0
	SMR	1.70	4.46	1.61	0.00	0.00	1.89	0.00	0.00
	CNTRL OBS	0	2	0	1	1	1	1	0
	SMR	0.00	1.69	0.00	1.21	1.43	1.46	1.33	0.00

## North Anna 1,2 (1978)

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM	STUDY	0	2	2	3	3	2	0	1
	OBS	0.00	1.60	1.70	2.55	2.44	1.43	0.00	3.26
	SMR	7	1	2	3	3	3	2	0
LIVER (PRIMARY)	CNTRL	3.69	0.46	1.03	1.72	1.82	1.67	1.02	0.00
	SMR								
LIVER (PRIMARY)	STUDY	0	1	0	0	0	0	0	0
	OBS	0.00	3.01	0.00	0.00	0.00	0.00	0.00	0.00
	SMR	1	0	0	0	0	0	0	0
TRACHEA, BRONCHUS, LUNG	CNTRL	1.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SMR								
BREAST (FEMALE)	STUDY	0	0	2	2	2	2	3	0
	OBS	0.00	0.00	1.67	1.34	1.18	1.04	1.49	0.00
	SMR	1	1	1	1	2	3	3	0
BREAST (FEMALE)	CNTRL	0.86	0.60	0.50	0.45	0.88	1.23	1.12	0.00
	SMR								
THYROID	STUDY	2	0	0	1	2	3	3	2
	OBS	1.39	0.00	0.00	0.48	0.86	1.08	0.89	2.77
	SMR	1	1	2	5	3	4	7	2
BONES & JOINTS	CNTRL	0.38	0.31	0.61	1.59	0.95	1.13	1.54	1.93
	SMR								
BLADDER	STUDY	0	0	0	0	0	0	0	0
	OBS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SMR	0	0	0	0	1	0	0	0
BLADDER	CNTRL	0.00	0.00	0.00	0.00	15.33	0.00	0.00	0.00
	SMR								
BRAIN & OTHER C.N.S.	STUDY	0	0	0	0	0	0	1	0
	OBS	0.00	0.00	0.00	0.00	0.00	0.00	14.80	0.00
	SMR	0	0	0	0	0	0	0	0
BRAIN & OTHER C.N.S.	CNTRL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SMR								
BENIGN & UNSPEC NEOPLASMS	STUDY	0	1	1	2	1	0	2	1
	OBS	0.00	0.96	0.90	1.83	0.72	0.00	1.14	2.68
	SMR	0	2	1	2	1	4	1	0
BENIGN & UNSPEC NEOPLASMS	CNTRL	0.00	1.10	0.55	1.25	0.54	1.92	0.42	0.00
	SMR								
BENIGN & UNSPEC NEOPLASMS	STUDY	0	0	0	0	0	1	0	0
	OBS	0.00	0.00	0.00	0.00	0.00	1.66	0.00	0.00
	SMR	0	0	0	0	0	0	0	0
BENIGN & UNSPEC NEOPLASMS	CNTRL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SMR								

Age at death: 40 to 59

North Anna 1,2 (1978)  
Caroline, VA ; Hanover, VA ; Louisa, VA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
LEUKEMIA & ALEUKEMIA	STUDY OBS	3	4	3	5	4	1	5	2
	SMR	1.25	1.21	0.84	1.25	0.91	0.20	0.93	1.83
	CNTRL OBS	3	6	3	4	6	10	12	2
	SMR	0.63	0.96	0.47	0.60	0.88	1.36	1.51	1.18
ALL CANCER, EXCL LEUK	STUDY OBS	54	59	100	132	135	178	185	31
	SMR	0.74	0.60	0.93	1.04	0.90	1.01	1.00	0.83
	CNTRL OBS	115	167	155	234	227	267	274	54
	SMR	0.79	0.90	0.80	1.09	0.96	1.02	0.98	0.92
HODGKIN'S DISEASE	STUDY OBS	1	0	3	2	0	3	0	0
	SMR	1.09	0.00	2.13	1.26	0.00	2.38	0.00	0.00
	CNTRL OBS	2	1	2	2	2	2	1	0
	SMR	1.11	0.42	0.81	0.77	0.84	1.11	0.71	0.00
OTHER LYMPHOMA	STUDY OBS	2	2	0	2	4	4	4	1
	SMR	1.24	0.81	0.00	0.55	0.94	0.83	0.76	0.93
	CNTRL OBS	2	5	5	9	8	1	13	1
	SMR	0.62	1.08	0.96	1.50	1.22	0.14	1.68	0.60
MULTIPLE MYELOMA	STUDY OBS	0	0	0	0	1	2	1	0
	SMR	0.00	0.00	0.00	0.00	0.51	0.82	0.38	0.00
	CNTRL OBS	3	1	5	4	4	5	5	0
	SMR	2.12	0.44	1.89	1.46	1.26	1.36	1.26	0.00
DIGESTIVE ORGANS	STUDY OBS	16	24	24	31	36	35	29	8
	SMR	0.66	0.79	0.77	0.92	0.98	0.85	0.70	0.97
	CNTRL OBS	37	50	38	55	55	44	62	11
	SMR	0.76	0.86	0.68	0.95	0.94	0.72	0.99	0.84
STOMACH	STUDY OBS	5	9	3	3	6	3	6	0
	SMR	0.72	1.17	0.44	0.48	0.99	0.50	1.07	0.00
	CNTRL OBS	12	12	6	8	10	4	5	1
	SMR	0.87	0.82	0.49	0.74	1.03	0.45	0.59	0.57

Age at death: 40 to 59

North Anna 1,2 (1978)  
Caroline, VA ; Hanover, VA ; Louisa, VA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM	STUDY OBS	5	6	10	14	15	18	10	3
	SMR	0.58	0.54	0.86	1.08	1.02	1.08	0.60	0.90
	CNTRL OBS	11	22	17	22	26	16	31	9
	SMR	0.63	1.04	0.81	1.00	1.13	0.65	1.23	1.71
LIVER (PRIMARY)	STUDY OBS	4	3	3	3	1	2	2	1
	SMR	1.29	0.81	0.84	0.88	0.39	0.81	0.75	1.84
	CNTRL OBS	5	5	2	8	3	4	2	0
	SMR	0.81	0.71	0.31	1.37	0.72	1.07	0.49	0.00
TRACHEA, BRONCHUS, LUNG	STUDY OBS	4	8	22	42	40	61	65	15
	SMR	0.44	0.53	1.09	1.49	1.01	1.16	1.11	1.27
	CNTRL OBS	16	29	32	50	63	107	97	17
	SMR	0.88	1.03	0.90	1.06	1.02	1.39	1.11	0.91
BREAST (FEMALE)	STUDY OBS	10	8	12	18	14	21	21	1
	SMR	1.18	0.68	0.91	1.13	0.74	0.96	0.92	0.22
	CNTRL OBS	8	14	18	29	25	34	31	8
	SMR	0.47	0.62	0.75	1.07	0.84	1.05	0.91	1.12
THYROID	STUDY OBS	0	0	0	0	0	1	1	0
	SMR	0.00	0.00	0.00	0.00	0.00	2.62	2.88	0.00
	CNTRL OBS	0	1	1	2	1	1	0	0
	SMR	0.00	1.42	1.55	3.17	1.81	1.77	0.00	0.00
BONES & JOINTS	STUDY OBS	0	1	0	1	2	1	3	0
	SMR	0.00	1.42	0.00	1.71	3.14	1.57	6.90	0.00
	CNTRL OBS	1	1	1	0	3	2	0	0
	SMR	0.84	0.75	0.90	0.00	3.00	2.13	0.00	0.00
BLADDER	STUDY OBS	1	2	3	1	1	2	6	0
	SMR	0.65	1.07	1.63	0.53	0.51	0.99	3.25	0.00
	CNTRL OBS	2	3	5	1	2	1	1	1
	SMR	0.65	0.85	1.51	0.31	0.64	0.33	0.36	1.77
BRAIN & OTHER C.N.S.	STUDY OBS	4	1	4	1	0	5	12	3
	SMR	2.03	0.34	1.17	0.26	0.00	0.87	2.10	2.64
	CNTRL OBS	5	3	5	7	9	7	6	3
	SMR	1.28	0.55	0.83	1.12	1.17	0.85	0.72	1.69
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	1	3	0	0
	SMR	0.00	0.00	0.00	0.00	0.50	1.43	0.00	0.00
	CNTRL OBS	0	0	0	0	4	6	0	0
	SMR	0.00	0.00	0.00	0.00	1.29	1.94	0.00	0.00

Age at death: 60 plus

North Anna 1,2 (1978)  
Caroline, VA ; Hanover, VA ; Louisa, VA

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	4	8	10	10	12	13	17	5
	SMR	0.83	1.08	1.11	0.93	0.97	0.86	0.92	1.22
CNTRL	OBS	3	10	24	30	19	24	40	12
	SMR	0.31	0.65	1.26	1.34	0.75	0.80	1.10	1.49
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	133	213	213	260	346	484	555	134
	SMR	0.80	0.94	0.84	0.89	1.00	1.11	1.03	1.12
CNTRL	OBS	316	453	499	529	698	887	1109	249
	SMR	0.94	0.96	0.94	0.87	1.00	1.03	1.05	1.07
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	1	2	2	3	4	1	2	0
	SMR	1.05	1.49	1.38	1.84	2.31	0.64	1.37	0.00
CNTRL	OBS	2	5	2	1	3	2	3	1
	SMR	1.03	1.78	0.65	0.30	0.86	0.65	1.06	1.69
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	0	2	4	1	7	14	13	3
	SMR	0.00	0.48	0.75	0.14	0.80	1.23	0.85	0.86
CNTRL	OBS	3	10	11	12	13	24	28	7
	SMR	0.58	1.14	0.98	0.83	0.73	1.07	0.93	1.04
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	1	2	2	5	11	6	17	3
	SMR	0.86	0.89	0.65	1.19	1.88	0.74	1.61	1.27
CNTRL	OBS	1	5	7	5	8	11	24	5
	SMR	0.43	1.06	1.08	0.58	0.68	0.69	1.16	1.09
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	59	89	73	83	104	162	152	32
	SMR	0.79	0.92	0.72	0.76	0.89	1.17	0.95	0.91
CNTRL	OBS	136	165	196	211	226	280	305	72
	SMR	0.90	0.82	0.91	0.93	0.95	1.02	0.97	1.05
<b>STOMACH</b>									
STUDY	OBS	18	31	15	11	26	22	19	7
	SMR	0.76	1.13	0.60	0.49	1.25	1.03	0.86	1.48
CNTRL	OBS	48	46	39	41	30	38	39	5
	SMR	1.01	0.81	0.74	0.87	0.71	0.90	0.90	0.54

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM	STUDY	27	27	31	41	43	68	74	15
	OBS	0.96	0.71	0.74	0.87	0.80	1.04	0.99	0.91
	CNTRL	40	68	87	93	119	127	138	44
	SMR	0.70	0.86	0.99	0.95	1.09	0.98	0.93	1.36
LIVER (PRIMARY)	STUDY	2	14	6	9	5	5	6	2
	OBS	0.22	1.24	0.52	0.87	0.70	0.70	0.70	1.05
	CNTRL	13	18	20	19	11	15	16	4
	SMR	0.71	0.77	0.83	0.89	0.76	1.07	0.95	1.09
TRACHEA, BRONCHUS, LUNG	STUDY	6	21	31	49	78	110	160	41
	OBS	0.41	0.84	0.88	0.97	1.09	1.06	1.13	1.28
	CNTRL	37	48	67	84	149	238	325	67
	SMR	1.24	0.91	0.89	0.81	1.05	1.18	1.19	1.09
BREAST (FEMALE)	STUDY	10	12	25	13	25	30	24	8
	OBS	0.89	0.79	1.49	0.66	1.05	0.99	0.64	0.95
	CNTRL	29	27	24	25	43	52	66	20
	SMR	1.29	0.86	0.68	0.62	0.90	0.87	0.90	1.25
THYROID	STUDY	0	2	0	0	4	0	2	0
	OBS	0.00	2.02	0.00	0.00	3.59	0.00	1.58	0.00
	CNTRL	0	3	4	1	2	2	3	0
	SMR	0.00	1.46	1.86	0.46	0.88	0.82	1.19	0.00
BONES & JOINTS	STUDY	1	2	2	0	1	2	0	0
	OBS	0.76	1.31	1.51	0.00	0.70	1.41	0.00	0.00
	CNTRL	1	7	1	3	2	1	0	0
	SMR	0.37	2.21	0.36	1.09	0.69	0.36	0.00	0.00
BLADDER	STUDY	9	7	5	7	7	18	11	1
	OBS	1.43	0.83	0.55	0.69	0.62	1.34	0.75	0.31
	CNTRL	9	18	13	11	15	25	28	3
	SMR	0.70	1.02	0.68	0.52	0.64	0.93	0.95	0.47
BRAIN & OTHER C.N.S.	STUDY	0	1	1	1	3	6	16	0
	OBS	0.00	0.60	0.45	0.33	0.58	0.79	1.66	0.00
	CNTRL	2	3	9	5	7	10	19	4
	SMR	0.93	0.85	1.92	0.82	0.68	0.68	1.03	0.98
BENIGN & UNSPEC NEOPLASMS	STUDY	0	0	0	0	6	8	2	0
	OBS	0.00	0.00	0.00	0.00	1.75	1.76	0.78	0.00
	CNTRL	0	0	0	0	4	6	1	0
	SMR	0.00	0.00	0.00	0.00	0.58	0.67	0.20	0.00



Age at death: all

North Anna 1,2 (1978)  
Caroline, VA ; Hanover, VA ; Louisa, VA

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
LEUKEMIA & ALEUKEMIA	STUDY OBS	8	21	21	20	22	21	25	11
	SMR	0.76	1.38	1.21	1.02	1.01	0.83	0.87	1.79
	CNTRL OBS	10	27	32	44	35	40	56	16
	SMR	0.49	0.91	0.96	1.21	0.90	0.91	1.10	1.45
ALL CANCER, EXCL LEUK	STUDY OBS	196	283	329	411	508	685	770	173
	SMR	0.77	0.82	0.87	0.94	0.99	1.08	1.03	1.06
	CNTRL OBS	461	654	678	787	953	1192	1414	307
	SMR	0.91	0.94	0.89	0.93	0.99	1.04	1.03	1.03
HODGKIN'S DISEASE	STUDY OBS	3	3	7	6	6	6	3	1
	SMR	1.03	0.76	1.63	1.25	1.24	1.42	0.82	1.34
	CNTRL OBS	5	8	5	5	8	7	5	1
	SMR	0.89	1.07	0.63	0.61	1.01	1.05	0.85	0.82
OTHER LYMPHOMA	STUDY OBS	4	4	5	6	14	18	19	4
	SMR	0.78	0.50	0.52	0.49	0.96	1.01	0.85	0.81
	CNTRL OBS	7	18	19	22	23	28	42	8
	SMR	0.69	1.15	1.01	0.97	0.87	0.88	1.04	0.90
MULTIPLE MYELOMA	STUDY OBS	1	2	2	5	13	8	18	3
	SMR	0.52	0.57	0.43	0.85	1.65	0.75	1.36	1.03
	CNTRL OBS	4	6	13	9	12	16	29	5
	SMR	1.04	0.84	1.40	0.78	0.80	0.81	1.17	0.92
DIGESTIVE ORGANS	STUDY OBS	77	119	101	117	145	200	182	41
	SMR	0.76	0.91	0.74	0.80	0.93	1.10	0.89	0.93
	CNTRL OBS	185	221	238	270	286	329	373	83
	SMR	0.90	0.83	0.86	0.94	0.95	0.97	0.98	1.01
STOMACH	STUDY OBS	24	43	19	14	32	26	25	7
	SMR	0.77	1.20	0.59	0.48	1.17	0.93	0.89	1.18
	CNTRL OBS	60	60	45	50	41	43	45	6
	SMR	0.96	0.82	0.68	0.85	0.78	0.83	0.85	0.54

Age at death: all

North Anna 1,2 (1978)  
Caroline, VA ; Hanover, VA ; Louisa, VA

Table 2-D.10

	YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
	1950-53	1954-58	1959-63	1964-68	1969-73	1974-78	1979-83	1984-84
COLON & RECTUM								
STUDY OBS	32	35	43	58	61	88	84	19
SMR	0.85	0.69	0.79	0.95	0.88	1.06	0.90	0.94
CNTRL OBS	58	92	107	118	149	146	171	53
SMR	0.76	0.90	0.96	0.97	1.11	0.93	0.97	1.39
LIVER (PRIMARY)								
STUDY OBS	7	18	9	12	6	7	8	3
SMR	0.56	1.17	0.58	0.85	0.59	0.69	0.68	1.18
CNTRL OBS	20	24	22	27	14	19	18	4
SMR	0.80	0.77	0.70	0.97	0.73	1.03	0.84	0.85
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	10	29	55	93	120	173	228	56
SMR	0.41	0.71	0.97	1.16	1.06	1.10	1.13	1.27
CNTRL OBS	54	78	100	135	214	348	425	84
SMR	1.10	0.94	0.89	0.88	1.04	1.24	1.17	1.04
BREAST (FEMALE)								
STUDY OBS	22	20	37	32	41	54	48	11
SMR	1.04	0.69	1.16	0.85	0.91	0.99	0.75	0.80
CNTRL OBS	38	42	44	59	71	90	104	30
SMR	0.90	0.73	0.70	0.83	0.88	0.94	0.93	1.24
THYROID								
STUDY OBS	0	2	0	0	4	1	3	0
SMR	0.00	1.41	0.00	0.00	2.63	0.60	1.80	0.00
CNTRL OBS	0	4	5	3	4	3	3	0
SMR	0.00	1.40	1.73	1.04	1.38	0.97	0.97	0.00
BONES & JOINTS								
STUDY OBS	1	3	3	2	3	3	3	0
SMR	0.40	1.00	1.11	0.73	1.02	1.01	1.34	0.00
CNTRL OBS	4	9	3	3	7	6	3	0
SMR	0.82	1.55	0.59	0.61	1.38	1.22	0.82	0.00
BLADDER								
STUDY OBS	10	9	8	8	8	20	18	1
SMR	1.26	0.86	0.73	0.66	0.60	1.29	1.09	0.28
CNTRL OBS	11	21	18	12	17	26	29	4
SMR	0.68	0.99	0.80	0.49	0.64	0.87	0.90	0.58
BRAIN & OTHER C.N.S.								
STUDY OBS	4	4	6	4	5	12	31	4
SMR	0.82	0.56	0.72	0.43	0.38	0.73	1.70	1.03
CNTRL OBS	8	10	17	16	20	22	27	7
SMR	0.85	0.75	1.11	0.99	0.92	0.82	0.88	1.05
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	7	13	2	0
SMR	0.00	0.00	0.00	0.00	1.07	1.67	0.51	0.00
CNTRL OBS	0	0	0	0	9	14	1	0
SMR	0.00	0.00	0.00	0.00	0.78	1.03	0.14	0.00

Sequoyah 1,2 (1980)  
Hamilton, TN

Age at death: under 10

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	0	10	7	8	6	8	9	4
	SMR	0.00	1.06	0.69	0.83	0.77	1.37	2.22	1.63
CNTRL	OBS	2	11	23	19	22	15	10	7
	SMR	0.56	0.54	0.93	0.75	1.01	0.95	0.97	1.10
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	2	14	11	9	10	11	2	6
	SMR	1.00	1.33	0.98	0.87	1.19	1.60	0.35	1.44
CNTRL	OBS	5	25	33	25	21	14	18	6
	SMR	1.26	1.10	1.22	0.93	0.90	0.76	1.25	0.55
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	1	1	0	0	0	0	0	0
	SMR	21.92	4.32	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	1	1	1	1	0	0	0
	SMR	0.00	2.05	2.33	2.57	2.98	0.00	0.00	0.00
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	0	1	2	0	0	0	0	0
	SMR	0.00	0.71	1.26	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	1	5	4	1	3	1	1	2
	SMR	1.92	1.64	1.05	0.27	1.04	0.48	0.67	2.15
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	0	0	0	0	0	1	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00
CNTRL	OBS	1	1	1	1	1	0	1	0
	SMR	4.02	0.72	0.70	0.75	0.97	0.00	1.33	0.00
<b>STOMACH</b>									
STUDY	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	1	0	0	0	0
	SMR	0.00	0.00	0.00	25.83	0.00	0.00	0.00	0.00

	YEARS BEFORE STARTUP						YEARS AFTER STARTUP	
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	1	0	0	0	0	0	0	0
SMR	25.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIVER (PRIMARY)								
STUDY OBS	0	0	0	0	0	1	0	0
SMR	0.00	0.00	0.00	0.00	0.00	4.05	0.00	0.00
CNTRL OBS	0	0	1	0	1	0	1	0
SMR	0.00	0.00	1.31	0.00	1.55	0.00	1.78	0.00
TRACHEA, BRONCHUS, LUNG								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	2	0	2	0	0	1	0
SMR	0.00	9.38	0.00	11.39	0.00	0.00	7.75	0.00
BREAST (FEMALE)								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THYROID								
STUDY OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	0	0	0	0	0	0	0
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BONES & JOINTS								
STUDY OBS	0	1	0	0	1	0	0	0
SMR	0.00	2.52	0.00	0.00	3.27	0.00	0.00	0.00
CNTRL OBS	0	3	2	1	0	0	0	0
SMR	0.00	3.55	2.16	1.12	0.00	0.00	0.00	0.00
BLADDER								
STUDY OBS	0	1	0	0	0	0	0	0
SMR	0.00	13.13	0.00	0.00	0.00	0.00	0.00	0.00
CNTRL OBS	0	1	0	0	1	0	1	0
SMR	0.00	6.02	0.00	0.00	8.62	0.00	22.99	0.00
BRAIN & OTHER C.N.S.								
STUDY OBS	1	4	5	5	4	6	0	5
SMR	1.32	0.99	1.09	1.14	1.24	2.38	0.00	3.46
CNTRL OBS	1	8	14	10	5	7	5	1
SMR	0.67	0.91	1.27	0.88	0.56	1.03	0.99	0.27
BENIGN & UNSPEC NEOPLASMS								
STUDY OBS	0	0	0	0	2	1	2	1
SMR	0.00	0.00	0.00	0.00	8.18	0.89	2.94	5.23
CNTRL OBS	0	0	0	0	1	3	1	0
SMR	0.00	0.00	0.00	0.00	1.44	1.00	0.57	0.00



	YEARS BEFORE STARTUP					YEARS AFTER STARTUP				
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84		
COLON & RECTUM										
STUDY OBS	0	1	0	0	0	0	0	0	0	
SMR	0.00	4.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	1	1	0	1	0	0	1	1	
SMR	0.00	1.80	2.25	0.00	2.11	0.00	0.00	4.11	4.11	
LIVER (PRIMARY)										
STUDY OBS	0	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	1	3	0	1	0	0	0	0	
SMR	0.00	3.51	8.37	0.00	1.96	0.00	0.00	0.00	0.00	
TRACHEA, BRONCHUS, LUNG										
STUDY OBS	0	1	0	0	0	0	1	0	0	
SMR	0.00	7.80	0.00	0.00	0.00	0.00	14.23	0.00	0.00	
CNTRL OBS	0	0	0	0	1	1	0	0	0	
SMR	0.00	0.00	0.00	0.00	3.58	3.53	0.00	0.00	0.00	
BREAST (FEEMALE)										
STUDY OBS	0	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
THYROID										
STUDY OBS	0	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BONES & JOINTS										
STUDY OBS	1	2	1	4	5	2	2	2	2	
SMR	3.91	1.44	0.64	2.42	2.79	1.17	1.46	2.23	2.23	
CNTRL OBS	0	3	4	6	4	5	1	0	0	
SMR	0.00	0.94	1.06	1.39	0.78	1.02	0.26	0.00	0.00	
BLADDER										
STUDY OBS	0	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CNTRL OBS	0	0	0	0	0	0	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BRAIN & OTHER C.N.S.										
STUDY OBS	1	4	2	3	1	4	1	0	0	
SMR	3.06	2.22	0.94	1.28	0.45	1.67	0.51	0.00	0.00	
CNTRL OBS	0	5	7	6	3	6	3	6	6	
SMR	0.00	1.24	1.40	1.00	0.48	0.89	0.56	1.74	1.74	
BENIGN & UNSPEC NEOPLASMS										
STUDY OBS	0	0	0	0	0	1	0	1	1	
SMR	0.00	0.00	0.00	0.00	0.00	1.05	0.00	19.26	19.26	
CNTRL OBS	0	0	0	0	0	2	0	0	0	
SMR	0.00	0.00	0.00	0.00	0.00	0.74	0.00	0.00	0.00	



Age at death: 20 to 39

Sequoyah 1,2 (1980)  
Hamilton, TN

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA	STUDY OBS	2	9	11	11	5	7	6	4
	SMR	1.35	1.22	1.50	1.58	0.74	0.97	0.76	0.59
	CNTRL OBS	2	19	17	15	15	16	19	23
	SMR	0.61	1.11	0.91	0.78	0.74	0.76	0.84	1.16
ALL CANCER, EXCL LEUK	STUDY OBS	11	88	67	79	50	70	53	67
	SMR	0.74	1.21	0.96	1.19	0.81	1.18	0.88	1.28
	CNTRL OBS	37	135	193	161	165	175	159	137
	SMR	1.19	0.84	1.15	0.92	0.94	1.03	0.95	0.93
HODGKIN'S DISEASE	STUDY OBS	0	6	3	3	2	5	3	6
	SMR	0.00	1.09	0.53	0.52	0.36	1.01	0.77	2.09
	CNTRL OBS	3	5	12	10	16	10	11	8
	SMR	1.23	0.39	0.83	0.63	0.97	0.70	1.00	0.95
OTHER LYMPHOMA	STUDY OBS	0	4	2	5	1	6	2	2
	SMR	0.00	1.16	0.58	1.38	0.29	1.68	0.51	0.55
	CNTRL OBS	1	5	6	11	7	15	11	5
	SMR	0.65	0.62	0.69	1.11	0.67	1.44	1.00	0.48
MULTIPLE MYELOMA	STUDY OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL OBS	0	0	1	0	0	0	0	0
	SMR	0.00	0.00	1.23	0.00	0.00	0.00	0.00	0.00
DIGESTIVE ORGANS	STUDY OBS	2	13	10	11	8	11	7	9
	SMR	0.70	0.93	0.80	0.99	0.82	1.21	0.76	1.13
	CNTRL OBS	6	28	35	25	37	33	29	26
	SMR	0.99	0.90	1.17	0.86	1.33	1.25	1.12	1.15
STOMACH	STUDY OBS	2	2	1	3	1	2	0	1
	SMR	2.87	0.60	0.35	1.27	0.54	1.22	0.00	0.72
	CNTRL OBS	2	9	6	1	7	6	4	6
	SMR	1.37	1.22	0.89	0.16	1.34	1.26	0.89	1.52

YEARS BEFORE STARTUP | YEARS AFTER STARTUP

1950-50 | 1951-55 | 1956-60 | 1961-65 | 1966-70 | 1971-75 | 1976-80 | 1981-84

COLON & RECTUM

STUDY	OBS	0	8	3	1	4	2	4	1
SMR		0.00	1.21	0.51	0.19	0.87	0.46	0.91	0.27
CNTRL	OBS	3	13	18	14	17	16	17	10
SMR		1.05	0.89	1.27	1.04	1.29	1.28	1.39	0.97

LIVER (PRIMARY)

STUDY	OBS	0	2	5	3	0	1	2	2
SMR		0.00	1.24	3.72	2.56	0.00	1.10	1.94	2.00
CNTRL	OBS	1	4	3	5	2	5	4	5
SMR		1.40	1.12	0.92	1.62	0.67	1.85	1.33	1.67

TRACHEA, BRONCHUS, LUNG

STUDY	OBS	1	4	3	6	8	1	5	12
SMR		1.30	1.00	0.63	1.10	1.38	0.17	0.87	2.51
CNTRL	OBS	3	8	18	18	19	15	17	14
SMR		1.83	0.90	1.57	1.26	1.15	0.90	1.08	1.08

BREAST (FEMALE)

STUDY	OBS	2	13	10	14	6	11	9	7
SMR		1.00	1.30	1.01	1.45	0.67	1.26	0.97	0.80
CNTRL	OBS	7	15	24	25	25	22	14	25
SMR		1.73	0.71	1.06	1.05	1.03	0.91	0.56	1.05

THYROID

STUDY	OBS	0	0	0	1	0	0	0	0
SMR		0.00	0.00	0.00	4.71	0.00	0.00	0.00	0.00
CNTRL	OBS	0	0	0	2	0	0	0	1
SMR		0.00	0.00	0.00	3.58	0.00	0.00	0.00	2.77

BONES & JOINTS

STUDY	OBS	1	1	2	2	0	3	0	1
SMR		3.45	0.72	1.66	1.89	0.00	2.58	0.00	0.98
CNTRL	OBS	0	1	6	3	0	7	3	2
SMR		0.00	0.30	1.85	0.97	0.00	1.99	0.82	0.64

BLADDER

STUDY	OBS	0	2	0	1	0	0	0	0
SMR		0.00	4.23	0.00	3.55	0.00	0.00	0.00	0.00
CNTRL	OBS	0	1	0	1	2	2	0	0
SMR		0.00	0.98	0.00	1.38	3.23	3.67	0.00	0.00

BRAIN & OTHER C.N.S.

STUDY	OBS	1	8	7	7	7	5	11	9
SMR		0.91	1.46	1.26	1.30	1.43	0.89	1.98	1.91
CNTRL	OBS	3	13	22	12	11	16	15	8
SMR		1.26	1.03	1.58	0.82	0.77	0.99	0.97	0.60

BENIGN & UNSPEC NEOPLASMS

STUDY	OBS	0	0	0	0	0	1	1	0
SMR		0.00	0.00	0.00	0.00	0.00	0.41	0.63	0.00
CNTRL	OBS	0	0	0	0	1	7	3	2
SMR		0.00	0.00	0.00	0.00	0.69	0.99	0.67	1.48

Age at death: 40 to 59

Sequoayah 1,2 (1980)  
Hamilton, TN

	YEARS BEFORE STARTUP				YEARS AFTER STARTUP				
	1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84	
LEUKEMIA & ALEUKEMIA									
	STUDY OBS	9	14	16	14	16	7	22	10
	SMR	3.11	0.91	0.96	0.83	0.95	0.42	1.30	0.75
	CNTRL OBS	6	38	27	40	30	50	43	27
SMR	1.05	1.22	0.77	1.05	0.74	1.22	1.01	0.77	
ALL CANCER, EXCL LEUK									
	STUDY OBS	83	495	479	516	557	610	655	509
	SMR	0.99	1.11	0.99	1.01	1.04	1.08	1.14	1.12
	CNTRL OBS	161	872	979	1052	1381	1478	1544	1270
SMR	0.97	0.97	0.97	0.93	1.09	1.07	1.07	1.07	
HODGKIN'S DISEASE									
	STUDY OBS	2	7	7	6	8	5	3	2
	SMR	1.79	1.19	1.09	0.90	1.21	0.93	0.84	0.89
	CNTRL OBS	3	10	17	14	9	3	7	6
SMR	1.37	0.83	1.23	0.92	0.56	0.22	0.77	1.00	
OTHER LYMPHOMA									
	STUDY OBS	1	8	12	12	18	15	16	11
	SMR	0.51	0.76	0.93	0.82	1.12	0.91	0.98	0.82
	CNTRL OBS	3	23	15	24	37	44	46	39
SMR	0.78	1.07	0.55	0.73	0.95	1.09	1.12	1.11	
MULTIPLE MYELOMA									
	STUDY OBS	0	3	7	10	16	5	8	8
	SMR	0.00	0.68	1.16	1.52	2.50	0.69	1.03	1.29
	CNTRL OBS	0	3	16	14	22	24	14	22
SMR	0.00	0.34	1.29	0.98	1.47	1.37	0.72	1.37	
DIGESTIVE ORGANS									
	STUDY OBS	21	146	120	118	145	129	148	109
	SMR	0.78	1.04	0.84	0.85	1.07	0.98	1.16	1.11
	CNTRL OBS	45	248	268	260	331	326	291	267
SMR	0.84	0.87	0.91	0.85	1.04	1.02	0.91	1.05	
STOMACH									
	STUDY OBS	5	28	27	18	21	16	22	11
	SMR	0.69	0.76	0.84	0.67	0.93	0.81	1.27	0.86
	CNTRL OBS	16	57	47	48	43	45	27	35
SMR	1.11	0.76	0.71	0.82	0.81	0.93	0.62	1.04	

Age at death: 40 to 59

Sequoyah 1,2 (1980)  
Hamilton, TN

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM	STUDY OBS	8	60	44	41	56	53	59	47
	SMR	0.78	1.12	0.79	0.73	1.01	0.95	1.08	1.14
	CNTRL OBS	10	89	102	102	127	121	118	121
LIVER (PRIMARY)	SMR	0.49	0.81	0.88	0.83	0.97	0.89	0.86	1.13
	STUDY OBS	3	17	16	13	16	9	6	9
	SMR	0.88	0.96	0.96	0.86	1.36	1.16	0.81	1.48
TRACHEA, BRONCHUS, LUNG	CNTRL OBS	10	30	39	43	28	16	20	15
	SMR	1.47	0.84	1.14	1.30	1.02	0.84	1.07	0.94
	STUDY OBS	12	78	83	108	107	192	229	192
BREAST (FEMALE)	SMR	1.17	1.36	1.08	1.11	0.88	1.28	1.34	1.36
	CNTRL OBS	26	103	147	241	348	442	562	438
	SMR	1.29	0.89	0.91	1.11	1.20	1.20	1.31	1.19
THYROID	STUDY OBS	13	54	62	73	66	77	60	68
	SMR	1.20	0.93	0.95	1.03	0.86	0.97	0.76	1.11
	CNTRL OBS	25	84	133	133	174	176	174	149
BONES & JOINTS	SMR	1.16	0.71	0.97	0.85	0.97	0.92	0.88	0.93
	STUDY OBS	0	1	2	3	0	2	0	0
	SMR	0.00	0.54	1.12	1.83	0.00	1.54	0.00	0.00
BLADDER	CNTRL OBS	1	10	2	2	2	1	3	1
	SMR	1.42	2.68	0.54	0.56	0.57	0.32	0.97	0.46
	STUDY OBS	0	3	2	2	3	2	3	0
BRAIN & OTHER C.N.S.	SMR	0.00	0.85	0.63	0.75	1.27	0.89	1.66	0.00
	CNTRL OBS	0	6	14	8	8	4	7	4
	SMR	0.00	0.84	2.10	1.36	1.43	0.73	1.54	1.64
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	8	11	10	9	9	9	4
	SMR	0.00	0.92	1.31	1.27	1.24	1.32	1.46	0.92
	CNTRL OBS	5	16	14	11	28	17	20	8
BENIGN & UNSPEC NEOPLASMS	SMR	1.51	0.92	0.81	0.64	1.65	1.03	1.29	0.71
	STUDY OBS	5	20	19	20	21	20	21	20
	SMR	1.99	1.49	1.22	1.19	1.21	0.99	1.11	1.39
BENIGN & UNSPEC NEOPLASMS	CNTRL OBS	1	27	28	38	42	59	54	42
	SMR	0.20	0.98	0.84	0.99	1.00	1.18	1.13	1.11
	STUDY OBS	0	0	0	0	1	7	5	2
BENIGN & UNSPEC NEOPLASMS	SMR	0.00	0.00	0.00	0.00	0.56	0.81	0.93	1.41
	CNTRL OBS	0	0	0	0	4	14	17	3
	SMR	0.00	0.00	0.00	0.00	0.91	0.66	1.25	0.80

Sequoyah 1,2 (1980)  
Hamilton, TN

Age at death: 60 plus

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>									
STUDY	OBS	4	20	40	28	44	47	48	57
	SMR	0.99	0.85	1.25	0.70	0.92	0.87	0.77	1.02
CNTRL	OBS	5	42	66	71	97	121	144	118
	SMR	0.55	0.81	0.94	0.82	0.95	1.03	1.04	0.91
<b>ALL CANCER, EXCL LEUK</b>									
STUDY	OBS	103	654	847	1029	1214	1437	1766	1646
	SMR	0.77	0.87	0.94	0.96	0.97	0.98	1.01	1.04
CNTRL	OBS	276	1512	1739	2093	2504	3024	3994	3785
	SMR	0.91	0.89	0.87	0.90	0.92	0.94	1.02	1.02
<b>HODGKIN'S DISEASE</b>									
STUDY	OBS	0	6	6	8	5	9	4	10
	SMR	0.00	1.29	1.06	1.24	0.70	1.29	0.71	2.41
CNTRL	OBS	3	11	11	16	15	20	18	11
	SMR	1.65	1.08	0.90	1.16	0.98	1.31	1.41	1.13
<b>OTHER LYMPHOMA</b>									
STUDY	OBS	0	11	33	28	34	54	57	45
	SMR	0.00	0.85	1.75	1.11	1.04	1.36	1.16	0.94
CNTRL	OBS	3	31	39	40	81	99	130	128
	SMR	0.62	1.10	0.95	0.74	1.15	1.14	1.18	1.14
<b>MULTIPLE MYELOMA</b>									
STUDY	OBS	0	1	8	6	24	21	43	28
	SMR	0.00	0.17	0.81	0.44	1.27	0.82	1.31	0.91
CNTRL	OBS	1	11	19	34	46	63	74	71
	SMR	0.48	0.85	0.88	1.14	1.13	1.12	1.00	0.99
<b>DIGESTIVE ORGANS</b>									
STUDY	OBS	40	247	320	350	397	441	540	426
	SMR	0.67	0.75	0.85	0.84	0.88	0.90	0.99	0.91
CNTRL	OBS	107	562	605	748	829	881	1158	994
	SMR	0.79	0.75	0.73	0.82	0.85	0.82	0.95	0.91
<b>STOMACH</b>									
STUDY	OBS	10	72	60	63	43	55	65	66
	SMR	0.57	0.75	0.64	0.70	0.52	0.71	0.85	1.08
CNTRL	OBS	33	134	125	120	113	116	138	95
	SMR	0.80	0.61	0.59	0.60	0.62	0.68	0.80	0.67

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM	STUDY								
	OBS	21	97	140	150	191	212	255	201
	SMR	0.90	0.74	0.90	0.83	0.92	0.91	0.96	0.89
	CNTRL	38	220	242	344	399	398	591	481
LIVER (PRIMARY)	STUDY								
	OBS	7	31	37	34	42	34	32	33
	SMR	0.95	0.76	0.84	0.74	1.12	1.36	1.19	1.36
	CNTRL	11	81	84	97	75	51	63	48
TRACHEA, BRONCHUS, LUNG	STUDY								
	OBS	8	81	97	184	237	317	468	504
	SMR	0.67	1.14	0.89	1.16	1.06	1.03	1.14	1.26
	CNTRL	20	162	259	327	497	703	1044	1119
BREAST (FEMALE)	STUDY								
	OBS	7.76	1.05	1.10	0.96	1.03	1.04	1.12	1.18
	SMR								
	CNTRL	8	40	59	65	68	123	101	147
THYROID	STUDY								
	OBS	0.78	0.68	0.85	0.79	0.69	1.05	0.74	1.19
	SMR	28	122	134	155	192	214	257	270
	CNTRL	1.21	0.93	0.87	0.86	0.89	0.83	0.83	0.92
BONES & JOINTS	STUDY								
	OBS	1	1	4	4	1	5	3	4
	SMR	1.61	0.28	0.97	0.90	0.22	1.02	0.61	1.03
	CNTRL	1	6	11	13	9	10	5	10
BLADDER	STUDY								
	OBS	0.71	0.76	1.20	1.35	0.91	0.93	0.45	1.11
	SMR								
	CNTRL	0	7	4	4	10	5	4	4
BRAIN & OTHER C.N.S.	STUDY								
	OBS	0.00	1.22	0.72	0.76	1.79	0.87	0.83	1.60
	SMR	1	11	12	15	14	14	13	4
	CNTRL	0.42	0.86	0.98	1.31	1.16	1.11	1.20	0.69
BENIGN & UNSPEC NEOPLASMS	STUDY								
	OBS	3	19	29	38	48	40	56	37
	SMR	0.61	0.68	0.89	1.02	1.14	0.85	1.08	0.86
	CNTRL	13	51	59	65	70	86	96	98
	STUDY								
	OBS	1.14	0.81	0.82	0.80	0.77	0.84	0.83	0.99
	SMR								
	CNTRL	1	9	9	10	16	20	51	28
	STUDY								
	OBS	1.01	1.57	1.11	0.90	1.02	0.80	1.60	0.98
	SMR	2	19	17	31	43	50	82	95
	CNTRL	0.95	1.57	0.99	1.32	1.28	0.91	1.13	1.40
	STUDY								
	OBS	0	0	0	0	0	7	18	8
	SMR	0.00	0.00	0.00	0.00	0.00	0.40	1.16	1.36
	CNTRL	0	0	0	0	4	29	30	16
	STUDY								
	OBS	0.00	0.00	0.00	0.00	0.56	0.76	0.87	1.17
	SMR								
	CNTRL								



Sequoyah 1,2 (1980)  
Hamilton, TN

Age at death: all

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	15	54	78	65	78	74	90	80
	SMR	1.38	0.91	1.11	0.83	0.93	0.84	0.95	0.98
CNTRL	OBS	15	117	141	153	184	214	229	182
	SMR	0.65	0.90	0.89	0.84	0.92	1.02	1.01	0.91
ALL CANCER, EXCL LEUK									
STUDY	OBS	201	1262	1408	1643	1843	2139	2484	2233
	SMR	0.86	0.98	0.95	0.99	0.98	1.01	1.04	1.06
CNTRL	OBS	480	2562	2968	3353	4094	4720	5731	5213
	SMR	0.94	0.92	0.92	0.91	0.97	0.98	1.03	1.03
HODGKIN'S DISEASE									
STUDY	OBS	3	22	16	17	15	19	10	19
	SMR	0.93	1.29	0.85	0.85	0.74	1.05	0.73	1.97
CNTRL	OBS	9	28	43	42	42	34	39	27
	SMR	1.31	0.75	1.00	0.87	0.82	0.75	1.13	1.07
OTHER LYMPHOMA									
STUDY	OBS	1	25	50	47	56	78	77	58
	SMR	0.19	0.85	1.31	1.02	1.02	1.26	1.09	0.88
CNTRL	OBS	8	67	66	79	132	166	190	176
	SMR	0.72	1.06	0.79	0.76	1.04	1.15	1.14	1.09
MULTIPLE MYELOMA									
STUDY	OBS	0	4	15	16	40	26	51	36
	SMR	0.00	0.38	0.92	0.78	1.57	0.79	1.25	0.96
CNTRL	OBS	1	14	36	48	68	87	88	93
	SMR	0.26	0.62	1.03	1.07	1.20	1.17	0.94	1.05
DIGESTIVE ORGANS									
STUDY	OBS	63	407	450	479	550	582	695	544
	SMR	0.71	0.84	0.85	0.84	0.92	0.92	1.02	0.95
CNTRL	OBS	159	841	913	1034	1200	1240	1479	1288
	SMR	0.81	0.79	0.79	0.83	0.90	0.87	0.94	0.94
STOMACH									
STUDY	OBS	17	102	88	84	65	73	87	78
	SMR	0.66	0.75	0.68	0.70	0.61	0.74	0.91	1.04
CNTRL	OBS	51	200	178	170	163	167	169	136
	SMR	0.89	0.66	0.63	0.64	0.68	0.75	0.77	0.76

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-50	1951-55	1956-60	1961-65	1966-70	1971-75	1976-80	1981-84
COLON & RECTUM	STUDY OBS	29	166	187	192	251	267	318	249
	SNR	0.83	0.86	0.86	0.79	0.94	0.91	0.98	0.92
	CNTRL OBS	52	323	363	460	544	535	726	613
	SNR	0.68	0.77	0.76	0.86	0.92	0.81	0.98	0.95
LIVER (PRIMARY)	STUDY OBS	10	50	58	50	58	45	40	44
	SNR	0.89	0.83	0.93	0.80	1.14	1.32	1.12	1.39
	CNTRL OBS	22	116	130	145	107	72	88	68
	SNR	0.90	0.88	0.95	1.05	0.94	0.92	1.05	0.89
TRACHEA, BRONCHUS, LUNG	STUDY OBS	21	164	183	298	352	510	703	708
	SNR	0.91	1.24	0.96	1.14	1.00	1.10	1.20	1.29
	CNTRL OBS	49	275	424	588	865	1161	1624	1571
	SNR	1.02	0.98	1.04	1.03	1.10	1.09	1.18	1.18
BREAST (FEMALE)	STUDY OBS	23	107	131	152	140	211	170	222
	SNR	0.99	0.85	0.90	0.93	0.76	1.03	0.75	1.15
	CNTRL OBS	60	221	291	313	391	412	445	444
	SNR	1.23	0.82	0.92	0.86	0.93	0.87	0.84	0.93
THYROID	STUDY OBS	1	2	6	8	1	7	3	4
	SNR	0.97	0.35	0.97	1.27	0.16	1.10	0.47	0.82
	CNTRL OBS	2	16	13	17	11	11	8	12
	SNR	0.90	1.31	0.96	1.22	0.78	0.76	0.55	1.03
BONES & JOINTS	STUDY OBS	2	14	9	12	19	12	9	7
	SNR	0.84	1.13	0.76	1.09	1.72	1.08	0.95	1.28
	CNTRL OBS	1	24	38	33	26	30	24	10
	SNR	0.19	0.88	1.42	1.29	0.97	1.11	1.03	0.71
BLADDER	STUDY OBS	3	30	40	49	57	49	65	41
	SNR	0.45	0.81	0.96	1.08	1.15	0.90	1.12	0.86
	CNTRL OBS	18	69	73	77	101	105	117	106
	SNR	1.20	0.84	0.81	0.78	0.93	0.88	0.89	0.96
BRAIN & OTHER C.N.S.	STUDY OBS	9	45	42	45	49	55	84	62
	SNR	1.58	1.48	1.17	1.12	1.13	0.98	1.39	1.23
	CNTRL OBS	7	72	88	97	104	138	159	152
	SNR	0.60	1.11	1.09	1.03	0.99	1.02	1.09	1.20
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	3	17	26	12
	SNR	0.00	0.00	0.00	0.00	0.50	0.56	1.10	1.50
	CNTRL OBS	0	0	0	0	10	55	51	21
	SNR	0.00	0.00	0.00	0.00	0.70	0.76	0.91	1.08



		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM	STUDY								
	OBS	0	1	0	0	0	0	0	0
	SMR	0.00	5.75	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL	0	0	0	0	0	0	0	0
LIVER (PRIMARY)	STUDY								
	OBS	0	1	0	0	0	0	1	0
	SMR	0.00	1.86	0.00	0.00	0.00	0.00	2.14	0.00
	CNTRL	1	1	1	0	0	3	1	0
TRACHEA, BRONCHUS, LUNG	STUDY								
	OBS	0	1	1	0	0	0	0	0
	SMR	0.00	5.58	5.84	0.00	0.00	0.00	0.00	0.00
	CNTRL	0	0	0	0	0	0	0	0
BREAST (FEMALE)	STUDY								
	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL	0	0	0	0	0	0	0	0
THYROID	STUDY								
	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL	0	0	0	0	0	0	0	0
BONES & JOINTS	STUDY								
	OBS	1	1	0	1	0	0	0	0
	SMR	3.81	1.41	0.00	1.43	0.00	0.00	0.00	0.00
	CNTRL	0	1	0	0	0	0	1	0
BLADDER	STUDY								
	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL	1	0	0	0	0	0	0	0
BRAIN & OTHER C.N.S.	STUDY								
	OBS	11.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SMR	0	0	0	0	0	0	0	0
	CNTRL	0	0	0	0	0	0	0	0
BENIGN & UNSPEC NEOPLASMS	STUDY								
	OBS	1	8	9	8	7	4	6	2
	SMR	0.38	1.07	1.02	0.94	1.01	0.74	1.43	0.82
	CNTRL	1	18	15	15	7	5	8	2
BENIGN & UNSPEC NEOPLASMS	STUDY								
	OBS	0.23	1.53	1.12	1.20	0.70	0.63	1.26	0.55
	SMR	0	0	0	0	1	1	2	0
	CNTRL	0.00	0.00	0.00	0.00	0.88	0.42	1.65	0.00
BENIGN & UNSPEC NEOPLASMS	STUDY								
	OBS	0	0	0	0	3	3	1	0
	SMR	0.00	0.00	0.00	0.00	1.84	0.87	0.54	0.00
	CNTRL	0	0	0	0	0	0	0	0



		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM	STUDY								
	OBS	0	0	0	0	0	1	1	0
	SMR	0.00	0.00	0.00	0.00	0.00	2.45	2.95	0.00
	CNTRL	1	0	0	0	0	1	0	0
LIVER (PRIMARY)	STUDY								
	OBS	3.23	0.00	0.00	0.00	0.00	1.56	0.00	0.00
	SMR								
	CNTRL								
LIVER (PRIMARY)	STUDY								
	OBS	0	0	0	0	0	2	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	5.42	0.00	0.00
	CNTRL	1	0	1	2	1	1	0	0
TRACHEA, BRONCHUS, LUNG	STUDY								
	OBS	7.00	0.00	2.11	3.71	1.71	1.73	0.00	0.00
	SMR								
	CNTRL								
BREAST (FEHALE)	STUDY								
	OBS	0	0	0	0	1	0	0	0
	SMR	0.00	0.00	0.00	0.00	4.68	0.00	0.00	0.00
	CNTRL	0	0	0	1	0	1	0	0
BREAST (FEHALE)	STUDY								
	OBS	0.00	0.00	0.00	3.49	0.00	3.17	0.00	0.00
	SMR								
	CNTRL								
THYROID	STUDY								
	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL	0	0	0	0	0	0	0	0
BONES & JOINTS	STUDY								
	OBS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SMR								
	CNTRL								
BLADDER	STUDY								
	OBS	0	5	2	6	3	2	1	2
	SMR	0.00	1.91	0.67	1.76	0.79	0.57	0.35	1.34
	CNTRL	4	5	2	2	7	7	4	0
BLADDER	STUDY								
	OBS	2.44	1.11	0.40	0.37	1.18	1.26	0.87	0.00
	SMR								
	CNTRL								
BRAIN & OTHER C.N.S.	STUDY								
	OBS	0	0	0	0	0	0	0	0
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CNTRL	0	0	0	0	0	0	0	0
BRAIN & OTHER C.N.S.	STUDY								
	OBS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SMR								
	CNTRL								
BENIGN & UNSPEC NEOPLASMS	STUDY								
	OBS	2	4	4	9	4	5	3	3
	SMR	1.71	1.18	0.97	1.95	0.82	0.99	0.73	1.38
	CNTRL	4	2	3	7	7	8	14	2
BENIGN & UNSPEC NEOPLASMS	STUDY								
	OBS	1.96	0.35	0.45	0.96	0.94	1.03	2.14	0.58
	SMR								
	CNTRL								
BENIGN & UNSPEC NEOPLASMS	STUDY								
	OBS	0	0	0	0	2	2	0	0
	SMR	0.00	0.00	0.00	0.00	2.28	1.04	0.00	0.00
	CNTRL	0	0	0	0	1	5	2	0
BENIGN & UNSPEC NEOPLASMS	STUDY								
	OBS	0.00	0.00	0.00	0.00	0.74	1.68	1.44	0.00
	SMR								
	CNTRL								



McGuire 1,2 (1981)  
Gaston, NC ; Lincoln, NC ; Mecklenburg, NC

	1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
<b>LEUKEMIA &amp; ALEUKEMIA</b>								
STUDY OBS	1	16	18	8	11	11	17	11
SMR	0.20	1.21	1.31	0.56	0.73	0.67	0.94	0.91
CNTRL OBS	4	24	17	20	14	36	25	13
SMR	0.48	1.11	0.77	0.89	0.60	1.38	0.86	0.68
<b>ALL CANCER, EXCL LEUK</b>								
STUDY OBS	48	124	134	150	138	135	151	105
SMR	0.98	0.98	1.02	1.11	1.03	1.01	1.07	1.11
CNTRL OBS	70	171	195	183	164	177	232	125
SMR	0.89	0.85	0.97	0.90	0.82	0.86	1.06	0.84
<b>HODGKIN'S DISEASE</b>								
STUDY OBS	2	12	8	15	13	8	6	5
SMR	0.53	1.21	0.74	1.26	1.09	0.76	0.71	0.99
CNTRL OBS	7	11	17	18	19	14	6	3
SMR	1.10	0.67	0.98	0.97	1.03	0.84	0.44	0.37
<b>OTHER LYMPHOMA</b>								
STUDY OBS	3	4	7	5	6	4	9	9
SMR	1.26	0.65	1.04	0.67	0.77	0.49	0.98	1.39
CNTRL OBS	3	7	9	10	4	10	8	7
SMR	0.75	0.69	0.85	0.86	0.34	0.78	0.55	0.68
<b>MULTIPLE MYELOMA</b>								
STUDY OBS	1	0	3	1	0	0	4	0
SMR	4.70	0.00	4.68	1.59	0.00	0.00	5.71	0.00
CNTRL OBS	1	2	1	2	1	0	2	1
SMR	2.95	2.19	1.03	2.16	1.12	0.00	1.87	1.37
<b>DIGESTIVE ORGANS</b>								
STUDY OBS	6	19	32	13	19	19	17	15
SMR	0.63	0.79	1.37	0.58	0.89	0.90	0.77	1.02
CNTRL OBS	11	23	34	32	32	18	39	17
SMR	0.72	0.61	0.95	0.95	1.01	0.56	1.15	0.75
<b>STOMACH</b>								
STUDY OBS	1	4	13	5	2	2	2	1
SMR	0.44	0.70	2.47	1.07	0.49	0.53	0.52	0.38
CNTRL OBS	5	2	11	8	6	1	6	3
SMR	1.36	0.22	1.38	1.15	1.02	0.18	1.02	0.75

Age at death: 20 to 39

McGuire 1,2 (1981)  
Gaston, NC ; Lincoln, NC ; Mecklenburg, NC

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP				
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84		
COLON & RECTUM											
STUDY	OBS	2	6	15	6	9	12	8	9		
	SMR	0.44	0.53	1.37	0.57	0.89	1.20	0.77	1.35		
CNTRL	OBS	3	13	17	12	17	10	25	5		
	SMR	0.41	0.72	1.01	0.77	1.14	0.66	1.56	0.48		
LIVER (PRIMARY)											
STUDY	OBS	1	3	1	1	3	2	2	2		
	SMR	0.90	1.10	0.40	0.42	1.33	0.91	0.77	1.04		
CNTRL	OBS	2	4	3	4	1	2	0	3		
	SMR	1.12	0.93	0.78	1.11	0.30	0.60	0.00	1.02		
TRACHEA, BRONCHUS, LUNG											
STUDY	OBS	3	7	8	9	15	13	8	9		
	SMR	1.17	0.95	0.84	0.77	1.15	0.98	0.59	1.03		
CNTRL	OBS	2	11	12	13	16	17	18	9		
	SMR	0.48	0.95	0.83	0.75	0.84	0.85	0.86	0.66		
BREAST (FEMALE)											
STUDY	OBS	3	16	15	28	14	20	32	15		
	SMR	0.46	0.93	0.81	1.46	0.73	1.02	1.44	0.95		
CNTRL	OBS	7	18	31	22	21	23	40	26		
	SMR	0.69	0.69	1.13	0.79	0.76	0.79	1.18	1.05		
THYROID											
STUDY	OBS	0	0	0	0	0	0	1	0		
	SMR	0.00	0.00	0.00	0.00	0.00	0.00	2.94	0.00		
CNTRL	OBS	0	0	2	0	0	0	0	0		
	SMR	0.00	0.00	2.89	0.00	0.00	0.00	0.00	0.00		
BONES & JOINTS											
STUDY	OBS	2	9	3	4	1	7	3	1		
	SMR	2.02	3.71	1.35	1.85	0.44	2.70	1.09	0.56		
CNTRL	OBS	0	8	3	2	3	2	4	0		
	SMR	0.00	1.96	0.81	0.57	0.80	0.47	0.88	0.00		
BLADDER											
STUDY	OBS	0	1	3	0	1	0	1	0		
	SMR	0.00	1.31	4.74	0.00	2.12	0.00	2.38	0.00		
CNTRL	OBS	1	1	1	0	0	0	1	1		
	SMR	1.93	0.85	1.05	0.00	0.00	0.00	1.53	2.03		
BRAIN & OTHER C.N.S.											
STUDY	OBS	4	7	9	12	3	10	9	8		
	SMR	1.07	0.71	0.84	1.11	0.27	0.80	0.71	0.97		
CNTRL	OBS	9	14	12	14	13	19	22	14		
	SMR	1.45	0.88	0.72	0.84	0.76	0.97	1.10	1.06		
BENIGN & UNSPEC NEOPLASMS											
STUDY	OBS	0	0	0	0	2	3	2	0		
	SMR	0.00	0.00	0.00	0.00	0.89	0.58	0.65	0.00		
CNTRL	OBS	0	0	0	0	4	10	9	1		
	SMR	0.00	0.00	0.00	0.00	1.18	1.25	1.86	0.76		

Age at death: 40 to 59

McGuire 1,2 (1981)  
Gaston, NC ; Lincoln, NC ; Mocklenburg, NC

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
LEUKEMIA & ALEUKEMIA									
STUDY	OBS	1	31	19	31	35	38	40	21
	SMR	0.12	1.32	0.71	1.03	1.07	1.11	1.13	0.96
	CNTRL	7	37	47	46	50	57	63	32
SMR		0.51	0.98	1.11	0.99	1.01	1.10	1.15	0.94
ALL CANCER, EXCL LEUK									
STUDY	OBS	214	581	682	803	1014	1125	1209	717
	SMR	0.91	0.87	0.89	0.90	0.98	0.98	1.01	0.97
	CNTRL	288	883	1006	1266	1454	1646	1836	1116
SMR		0.75	0.83	0.83	0.91	0.92	0.94	0.99	0.98
HODGKIN'S DISEASE									
STUDY	OBS	7	5	6	11	9	13	5	4
	SMR	2.15	0.54	0.56	0.91	0.71	1.26	0.70	1.07
	CNTRL	1	4	12	24	15	18	8	3
SMR		0.19	0.27	0.71	1.29	0.79	1.15	0.72	0.51
OTHER LYMPHOMA									
STUDY	OBS	2	11	13	18	25	36	19	26
	SMR	0.36	0.66	0.61	0.68	0.80	1.08	0.55	1.19
	CNTRL	4	27	27	38	40	48	46	34
SMR		0.43	1.00	0.80	0.92	0.84	0.94	0.87	1.00
MULTIPLE MYELOMA									
STUDY	OBS	0	4	17	12	15	15	16	6
	SMR	0.00	0.58	1.79	1.09	1.21	1.01	0.99	0.60
	CNTRL	1	16	11	16	20	16	38	19
SMR		0.28	1.44	0.73	0.94	1.05	0.71	1.53	1.23
DIGESTIVE ORGANS									
STUDY	OBS	70	144	170	197	227	232	263	156
	SMR	0.93	0.70	0.77	0.83	0.89	0.88	0.99	0.98
	CNTRL	85	241	261	307	312	339	342	213
SMR		0.69	0.73	0.75	0.83	0.80	0.84	0.84	0.86
STOMACH									
STUDY	OBS	15	35	44	28	28	33	47	19
	SMR	0.75	0.68	0.92	0.63	0.67	0.84	1.32	0.91
	CNTRL	20	56	53	37	45	38	45	30
SMR		0.61	0.67	0.71	0.54	0.70	0.64	0.82	0.92

Age at death: 40 to 59

McGuire 1,2 (1981)  
Gaston, NC ; Lincoln, NC ; Hecklenburg, NC

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM	STUDY OBS	26	59	62	88	95	105	103	65
	SMR	0.90	0.74	0.71	0.91	0.90	0.94	0.92	0.98
	CNTRL OBS	26	84	96	122	114	150	140	81
LIVER (PRIMARY)	SMR	0.54	0.65	0.69	0.81	0.70	0.87	0.81	0.78
	STUDY OBS	12	20	20	24	19	11	14	7
	SMR	1.26	0.79	0.79	0.97	0.93	0.71	0.89	0.70
CNTRL	OBS	14	31	30	40	22	17	16	3
	SMR	0.90	0.76	0.75	1.04	0.70	0.72	0.66	0.19
	TRACHEA, BRONCHUS, LUNG								
STUDY	OBS	16	87	120	152	239	332	367	223
	SMR	0.54	0.96	0.94	0.85	0.97	1.05	1.02	0.97
	CNTRL OBS	33	105	167	236	357	433	571	344
SMR	OBS	0.69	0.72	0.82	0.85	0.95	0.90	1.02	0.96
	BREAST (FEMALE)								
	STUDY OBS	21	76	95	108	126	139	146	103
SMR	OBS	0.68	0.86	0.90	0.86	0.86	0.88	0.90	1.04
	CNTRL OBS	49	109	150	177	206	252	253	167
	SMR	0.97	0.77	0.90	0.91	0.92	1.04	1.02	1.10
THYROID	STUDY OBS	1	2	1	2	1	4	4	1
	SMR	1.01	0.75	0.36	0.72	0.37	1.53	1.62	0.74
	CNTRL OBS	2	0	4	5	5	6	2	2
SMR	OBS	1.23	0.00	0.92	1.16	1.20	1.51	0.52	0.95
	BONES & JOINTS								
	STUDY OBS	4	10	3	8	6	4	4	1
SMR	OBS	2.05	1.95	0.62	1.78	1.33	0.90	1.16	0.66
	CNTRL OBS	4	8	8	11	5	7	6	2
	SMR	1.25	0.97	1.05	1.58	0.73	1.04	1.13	0.84
BLADDER	STUDY OBS	9	9	12	10	16	19	14	6
	SMR	1.94	0.73	0.94	0.76	1.18	1.41	1.12	0.86
	CNTRL OBS	4	25	17	18	17	16	18	9
SMR	OBS	0.52	1.25	0.85	0.88	0.82	0.77	0.93	0.83
	BRAIN & OTHER C.N.S.								
	STUDY OBS	7	35	31	41	39	27	35	24
SMR	OBS	0.95	1.64	1.19	1.36	1.10	0.66	0.89	1.02
	CNTRL OBS	9	45	38	56	49	72	74	47
	SMR	0.75	1.31	0.92	1.21	0.91	1.16	1.22	1.28
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	6	15	7	0
	SMR	0.00	0.00	0.00	0.00	0.84	0.92	0.75	0.00
	CNTRL OBS	0	0	0	0	12	38	17	1
SMR	OBS	0.00	0.00	0.00	0.00	1.11	1.53	1.18	0.28

Age at death: 60 plus

Gaston, NC ; Lincoln, NC ; Mecklenburg, NC

McGuire 1,2 (1981)

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
LEUKEMIA & ALEUKEMIA									
	STUDY	9	37	42	62	69	89	103	77
	OBS	0.86	1.11	0.91	1.03	0.93	1.02	0.96	1.02
	SMR								
CNTRL		14	54	74	114	104	132	209	132
	OBS	0.72	0.90	0.91	1.10	0.83	0.89	1.17	1.05
	SMR								
ALL CANCER, EXCL LEUK									
	STUDY	250	787	1101	1435	1737	2318	2980	2102
	OBS	0.73	0.77	0.86	0.90	0.88	0.95	0.98	0.97
	SMR								
CNTRL		484	1510	1800	2302	2887	3805	4945	3536
	OBS	0.77	0.82	0.80	0.84	0.87	0.93	0.98	0.99
	SMR								
HODGKIN'S DISEASE									
	STUDY	1	5	8	13	13	14	9	4
	OBS	0.47	0.78	1.00	1.33	1.16	1.29	0.95	0.69
	SMR								
CNTRL		2	14	14	27	30	23	22	6
	OBS	0.51	1.21	1.00	1.63	1.62	1.27	1.39	0.63
	SMR								
OTHER LYMPHOMA									
	STUDY	3	24	30	34	53	53	106	56
	OBS	0.53	1.28	1.08	0.87	1.01	0.79	1.20	0.85
	SMR								
CNTRL		5	38	43	67	87	108	145	126
	OBS	0.48	1.13	0.89	1.01	0.99	0.97	0.99	1.15
	SMR								
MULTIPLE MYELOMA									
	STUDY	6	7	13	24	31	42	61	47
	OBS	2.43	0.79	0.89	1.12	1.01	0.98	1.07	1.14
	SMR								
CNTRL		4	12	36	38	59	80	115	67
	OBS	0.89	0.76	1.42	1.05	1.15	1.12	1.22	0.98
	SMR								
DIGESTIVE ORGANS									
	STUDY	95	281	428	453	522	657	832	575
	OBS	0.62	0.63	0.82	0.74	0.75	0.83	0.90	0.91
	SMR								
CNTRL		190	602	621	729	847	1118	1340	899
	OBS	0.68	0.75	0.68	0.70	0.73	0.84	0.87	0.86
	SMR								
STOMACH									
	STUDY	35	68	92	86	85	90	107	65
	OBS	0.78	0.55	0.73	0.68	0.70	0.74	0.85	0.80
	SMR								
CNTRL		55	161	133	147	108	145	159	89
	OBS	0.66	0.71	0.60	0.67	0.52	0.71	0.76	0.66
	SMR								

Age at death: 60 plus

McGuire 1,2 (1981)  
Gaston, NC ; Lincoln, NC ; Mecklenburg, NC

		YEARS BEFORE STARTUP				YEARS AFTER STARTUP			
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM	STUDY OBS	30	116	183	197	236	306	408	281
	SHR	0.50	0.65	0.83	0.73	0.73	0.80	0.91	0.93
	CNTRL OBS	64	195	226	297	375	553	611	468
	SHR	0.58	0.61	0.59	0.64	0.70	0.87	0.82	0.92
LIVER (PRIMARY)	STUDY OBS	11	43	50	59	40	42	32	28
	SHR	0.58	0.79	0.81	0.91	0.76	1.05	0.69	0.85
	CNTRL OBS	31	67	90	87	57	55	60	44
	SHR	0.89	0.69	0.84	0.79	0.65	0.82	0.78	0.81
TRACHEA, BRONCHUS, LUNG	STUDY OBS	10	88	148	259	332	541	757	609
	SHR	0.32	0.85	0.91	1.03	0.89	1.01	1.01	1.09
	CNTRL OBS	42	123	225	354	511	783	1222	973
	SHR	0.74	0.66	0.78	0.82	0.82	0.88	0.98	1.05
BREAST (FEMALE)	STUDY OBS	16	55	62	90	132	194	200	131
	SHR	0.60	0.68	0.62	0.71	0.82	0.99	0.83	0.76
	CNTRL OBS	42	99	126	151	224	315	353	272
	SHR	0.88	0.70	0.74	0.72	0.86	0.98	0.89	0.97
THYROID	STUDY OBS	5	7	1	6	4	6	6	4
	SHR	3.12	1.45	0.17	0.92	0.56	0.77	0.73	0.76
	CNTRL OBS	2	8	7	7	9	11	14	7
	SHR	0.69	0.93	0.70	0.64	0.76	0.85	1.03	0.80
BONES & JOINTS	STUDY OBS	2	8	8	9	10	12	5	4
	SHR	0.74	1.07	1.07	1.16	1.16	1.34	0.67	1.18
	CNTRL OBS	4	15	17	18	16	19	10	7
	SHR	0.80	1.11	1.30	1.36	1.11	1.27	0.81	1.24
BLADDER	STUDY OBS	12	20	22	45	60	77	61	52
	SHR	0.95	0.53	0.49	0.82	0.92	1.02	0.71	0.92
	CNTRL OBS	11	51	53	58	87	111	137	87
	SHR	0.46	0.74	0.65	0.61	0.79	0.87	0.95	0.91
BRAIN & OTHER C.N.S.	STUDY OBS	1	5	24	21	23	46	70	43
	SHR	0.38	0.59	1.94	1.18	0.82	1.05	1.22	1.06
	CNTRL OBS	2	22	24	32	35	66	88	83
	SHR	0.42	1.48	1.13	1.08	0.76	0.92	0.93	1.25
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	11	26	31	6
	SHR	0.00	0.00	0.00	0.00	1.06	0.94	1.38	0.76
	CNTRL OBS	0	0	0	0	11	47	36	11
	SHR	0.00	0.00	0.00	0.00	0.64	1.01	0.97	0.85



Age at death: all

McGuire 1,2 (1981)  
Gaston, NC ; Lincoln, NC ; Mecklenburg, NC

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
LEUKEMIA & ALEUKEMIA	STUDY OBS	21	112	100	125	144	162	175	112
	SHR	0.65	1.19	0.87	0.94	0.97	1.01	0.99	0.95
	CNTRL OBS	38	145	185	216	204	262	331	190
	SHR	0.68	0.92	0.98	1.00	0.86	1.01	1.15	0.98
ALL CANCER, EXCL LEUK	STUDY OBS	522	1535	1947	2424	2923	3618	4365	2938
	SHR	0.82	0.83	0.88	0.91	0.92	0.96	0.99	0.98
	CNTRL OBS	866	2620	3047	3816	4552	5676	7064	4785
	SHR	0.78	0.83	0.82	0.87	0.88	0.93	0.98	0.98
HODGKIN'S DISEASE	STUDY OBS	14	25	24	41	38	36	20	13
	SHR	1.42	0.91	0.76	1.14	1.00	1.09	0.76	0.86
	CNTRL OBS	11	31	46	73	64	56	38	12
	SHR	0.66	0.68	0.89	1.27	1.07	1.06	0.90	0.49
OTHER LYMPHOMA	STUDY OBS	9	40	53	63	88	100	135	92
	SHR	0.59	0.87	0.87	0.80	0.91	0.89	1.00	0.96
	CNTRL OBS	13	80	83	125	138	174	205	168
	SHR	0.50	1.03	0.82	0.98	0.89	0.96	0.93	1.07
MULTIPLE MYELOMA	STUDY OBS	7	11	33	37	46	57	81	53
	SHR	1.44	0.67	1.33	1.12	1.05	0.98	1.10	1.02
	CNTRL OBS	6	30	48	57	80	96	155	87
	SHR	0.71	1.08	1.16	1.05	1.13	1.01	1.29	1.03
DIGESTIVE ORGANS	STUDY OBS	171	446	630	663	768	911	1114	746
	SHR	0.72	0.66	0.82	0.76	0.79	0.85	0.92	0.93
	CNTRL OBS	289	868	919	1071	1192	1481	1724	1129
	SHR	0.69	0.74	0.70	0.74	0.75	0.84	0.87	0.86
STOMACH	STUDY OBS	51	107	149	119	115	125	156	85
	SHR	0.76	0.59	0.83	0.68	0.68	0.76	0.94	0.81
	CNTRL OBS	80	219	197	192	159	184	210	122
	SHR	0.66	0.69	0.64	0.65	0.57	0.68	0.77	0.71

McGuire 1,2 (1981)  
Gaston, NC ; Lincoln, NC ; Mecklenburg, NC

		YEARS BEFORE STARTUP					YEARS AFTER STARTUP		
		1950-51	1952-56	1957-61	1962-66	1967-71	1972-76	1977-81	1982-84
COLON & RECTUM	STUDY OBS	58	182	260	291	340	424	520	355
	SMR	0.62	0.67	0.82	0.77	0.78	0.84	0.91	0.94
	CNTRL OBS	94	292	339	431	506	714	776	554
	SMR	0.57	0.62	0.63	0.69	0.71	0.86	0.83	0.89
LIVER (PRIMARY)	STUDY OBS	24	67	71	84	62	57	49	37
	SMR	0.80	0.81	0.79	0.90	0.81	0.97	0.75	0.82
	CNTRL OBS	49	103	125	133	81	78	77	50
	SMR	0.93	0.72	0.82	0.86	0.65	0.82	0.72	0.68
TRACHEA, BRONCHUS, LUNG	STUDY OBS	29	183	277	420	587	886	1132	841
	SMR	0.46	0.91	0.92	0.95	0.93	1.03	1.01	1.06
	CNTRL OBS	77	239	404	604	884	1234	1811	1326
	SMR	0.70	0.69	0.80	0.83	0.87	0.89	0.95	1.02
BREAST (FEMALE)	STUDY OBS	40	147	172	226	272	353	378	249
	SMR	0.63	0.79	0.76	0.83	0.83	0.94	0.89	0.87
	CNTRL OBS	98	226	307	350	451	590	646	465
	SMR	0.91	0.73	0.84	0.81	0.88	1.00	0.95	1.02
THYROID	STUDY OBS	6	9	2	9	5	10	11	5
	SMR	2.15	1.12	0.22	0.92	0.48	0.92	0.99	0.73
	CNTRL OBS	4	8	13	12	14	17	16	9
	SMR	0.82	0.58	0.86	0.75	0.84	0.97	0.89	0.80
BONES & JOINTS	STUDY OBS	9	33	16	28	20	25	13	8
	SMR	1.32	1.80	0.88	1.51	1.01	1.25	0.77	0.96
	CNTRL OBS	12	37	30	33	31	35	25	9
	SMR	1.00	1.18	0.98	1.09	0.97	1.08	0.91	0.66
BLADDER	STUDY OBS	21	30	37	55	77	96	76	58
	SMR	1.19	0.59	0.63	0.80	0.97	1.07	0.77	0.91
	CNTRL OBS	17	77	71	76	104	127	156	97
	SMR	0.53	0.85	0.69	0.65	0.79	0.85	0.95	0.91
BRAIN & OTHER C.N.S.	STUDY OBS	15	59	77	91	76	92	123	80
	SMR	0.86	1.17	1.24	1.27	0.88	0.85	1.05	1.04
	CNTRL OBS	25	101	92	124	111	170	206	148
	SMR	0.85	1.22	0.93	1.10	0.83	1.00	1.09	1.20
BENIGN & UNSPEC NEOPLASMS	STUDY OBS	0	0	0	0	22	47	42	6
	SMR	0.00	0.00	0.00	0.00	1.01	0.88	1.14	0.52
	CNTRL OBS	0	0	0	0	31	103	65	13
	SMR	0.00	0.00	0.00	0.00	0.90	1.20	1.09	0.70



NIH Library, Building 10  
National Institutes of Health  
Bethesda, Md. 20892



<http://nihlibrary.nih.gov>

---

10 Center Drive  
Bethesda, MD 20892-1150  
301-496-1080



NATIONAL  
CANCER  
INSTITUTE

NIH Publication Number 90-874  
July 1990